

JavaFX Scene Builder

Installing JavaFX Scene Builder

Release 2.0

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This document provides information about JavaFX Scene Builder system requirements, installation instructions, resources to get started, and how to run sample applications.

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Preface

This preface gives an overview about this tutorial and also describes the document accessibility features and conventions used in this tutorial - *Installing JavaFX Scene Builder*.

About This Tutorial

This document gives installation information for the JavaFX Scene Builder tool.

Audience

This document is intended for JavaFX developers.

Documentation Accessibility

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Related Documents

For more information, see the following documents in the JavaFX Scene Builder and JavaFX documentation sets:

- *JavaFX Scene Builder Release Notes*
- *Getting Started with JavaFX Scene Builder*
- *JavaFX Scene Builder User Guide*
- *Using JavaFX Scene Builder with Java IDEs*
- *Mastering FXML*

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Installing JavaFX Scene Builder

This guide provides information on how to download and install JavaFX Scene Builder 2.0 on a Windows, Linux, or Mac OS X system. Download information for the JavaFX Scene Builder samples is also included.

JavaFX Scene Builder is a design tool that enables you to drag and drop graphical user interface (GUI) components onto a JavaFX scene. It can help you to quickly prototype interactive applications that connect GUI components to the application logic. It automatically generates the FXML source code as you define the GUI layout for your application.

System Requirements

Use the following information to help you get set up and successfully start using JavaFX Scene Builder.

- Ensure that your system meets the requirements listed in the JDK Certified System Configurations section of the Java SE Downloads page. JavaFX Scene Builder 2.0 supports the same Java 8, Standard Edition (Java SE 8) platforms that support JavaFX, with the exception of Linux ARM.
- Download JDK 8 from <http://www.oracle.com/technetwork/java/javase/downloads/index.html> and install it to successfully run the JavaFX Scene Builder 2.0 samples.
- Download and install the latest NetBeans IDE 8.0 software to successfully complete the JavaFX Scene Builder Getting Started tutorial. The tight integration that NetBeans IDE has with JavaFX Scene Builder allows you to easily create a new FXML file, edit it using JavaFX Scene Builder, modify and compile your Java controller source files, and run the sample application used in the tutorial. Download the NetBeans IDE 8.0 software from <http://netbeans.org/downloads/>.

However, there are also instructions in the JavaFX Scene Builder Getting Started tutorial that guide you to complete the sample application using only a standalone JavaFX Scene Builder tool and the ANT utility. You can also use Using JavaFX Scene Builder with Java IDEs to get information about how to use other Java IDEs to create JavaFX projects and use Scene Builder to work on the FXML file for your application's GUI layout.

Installation

The JavaFX Scene Builder is available as a Windows package (.msi) for the Windows platform, as a Debian package (.deb) or .tar.gz file for the Linux platform, and as a disk image (.dmg) for the Mac OS X platform.

To install:

1. Download JavaFX Scene Builder from the Additional Resources section of the Java SE Downloads page at <http://www.oracle.com/technetwork/java/javase/downloads/index.html>.
2. In the JavaFX Scene Builder 2.0 section, accept the license agreement, if you agree to its terms.
3. Click the link for your operating system and follow the prompts to save the installer file.
4. Use the following information to install in your specific platform.

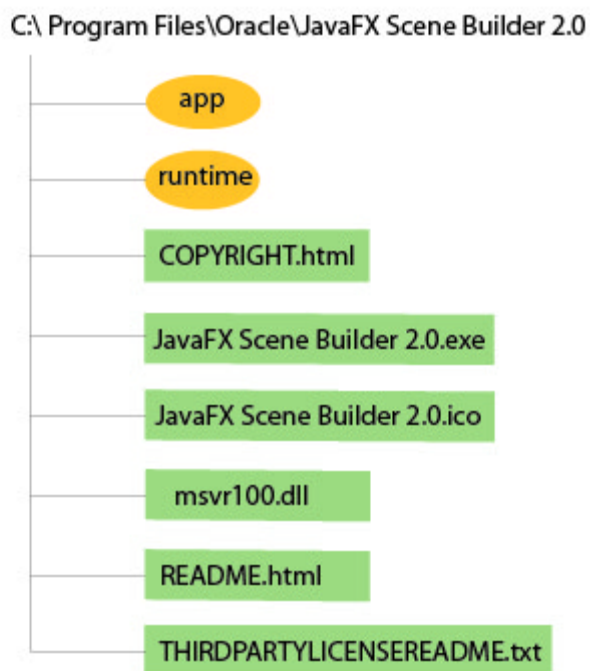
- **(Windows platform)** Run the `javafx_scenebuilder-2_0-windows.msi` installer file. Respond to the prompts as indicated in the installation wizard.

By default, the JavaFX Scene Builder software is installed at `C:\Program Files\Oracle\JavaFX Scene Builder 2.0` on a Windows platform. If you install JavaFX Scene Builder on a 64-bit Windows machine, the default installation location is `C:\Program Files (x86)\Oracle\JavaFX Scene Builder 2.0`.

- **(Linux platform)** Extract the Scene Builder 2.0 files from the `javafx_scenebuilder-2_0-linux-<platform>.tar.gz` to a directory on your local file system, or double-click the `javafx_scenebuilder-2_0-linux-<platform>.deb` file to open it with Ubuntu Software Center, where `<platform>` is either `x64` or `i586`. By default, the Scene Builder application is installed at `/opt/JavaFXSceneBuilder2.0/`.
- **(Mac OS X platform)** Open the `javafx_scenebuilder-2_0-macosx-universal.dmg` file and drag the `JavaFX Scene Builder 2.0.app` application into the Applications folder.

For any of the supported platforms, the installed software contains the files similar to or a subset of what is shown in [Figure 1-1](#), which shows the installation layout on a Windows platform.

Figure 1-1 Contents of a JavaFX Scene Builder 2.0 Installation on a Windows Platform



/app - Contains the JavaFX Scene Builder properties files and libraries.

/runtime - Contains a copy of the Java Runtime Environment (JRE), which includes executable files and libraries that enable JavaFX Scene Builder to run standalone.

COPYRIGHT.html - Contains the copyright information for JavaFX Scene Builder.

JavaFX Scene Builder 2.0.exe - JavaFX Scene Builder executable file.

JavaFX Scene Builder 2.0.ico - JavaFX Scene Builder icon file.

msvcr100.dll - Microsoft runtime library.

README.html - Contains a pointer to the JavaFX Scene Builder README page.

THIRDPARTYLICENSEREADME.txt - Contains the list of third-party licenses.

Getting Started

To get started with Scene Builder, read through the following documentation:

- JavaFX Scene Builder Overview - A high level overview of the JavaFX Scene Builder 2.0 tool
- JavaFX Scene Builder User Guide - An introduction to the user interface and features of JavaFX Scene Builder 2.0
- Getting Started with JavaFX Scene Builder - A step-by-step tutorial for creating the FXML file that defines the user interface of a simple issue tracking application
- Using JavaFX Scene Builder with Java IDEs - A tutorial that gives information about how to configure the NetBeans, Eclipse, or IntelliJ IDEs to use with Scene Builder.

Running the JavaFX Scene Builder Samples

Download the JavaFX Scene Builder samples to see some applications you can build using the Scene Builder tool.

1. Go to the Additional Resources section of the download page at <http://www.oracle.com/technetwork/java/javase/downloads/index.html>.
2. Locate the JavaFX Scene Builder section, click the Samples link, and follow the prompts to save the `javafx_scenebuilder_samples-2_0.zip` file to your local file system.
3. Extract the sample files from the zip file to a directory on your local file system.

Each sample is a NetBeans project and also includes at least one JavaFX layout stored as an FXML file. The `<sample>.fxml` file can be loaded and edited using the JavaFX Scene Builder.

To run the samples, you must have the JDK 8 software. Since the samples include the corresponding NetBeans projects files, using the NetBeans IDE is the simplest way to run the sample applications. However, you can also run them using the Ant utility, Eclipse, or IntelliJ IDEA. See below for more information.

Using NetBeans IDE

Use NetBeans 8 or later to run the JavaFX Scene Builder 8.0 samples.

1. Go to the `javafx_scenebuilder_samples-2_0-install` directory in which you extracted the sample files.
2. Run a sample by opening the project in the NetBeans IDE, compiling it, and then running it. For example, to run the Login application, open the Login project in NetBeans IDE, right-click the project node in the Projects window, and select Run.

Source code for each sample is in the `src` folder for each NetBeans project.

Using Eclipse or IntelliJ IDEA

See *Using JavaFX Scene Builder with Java IDEs* for information on how to run the samples in either the Eclipse or IntelliJ IDEA environment.

Using the Ant Utility

If you choose not to run the samples in NetBeans or any other IDE, you can use the Apache Ant utility (version 1.8 or later) to build and run the sample application on the command line. Enter a command similar to that in [Example 1-1](#). Note that the examples shown use JDK 8.

Example 1-1 Ant Command to Run the Sample Application

```
ant -f <JavaFX_Sample_App_Name>/build.xml <TARGET>
```

The main values for `<TARGET>` are `clean`, `jar`, and `run`. You can set `<TARGET>` with the value of `-projecthelp` to get a list of available targets. For example, to run the Login application on the Windows or Mac OS platform, type something similar to that in [Example 1-2](#).

Example 1–2 Using Ant to Run the Login Sample

```
ant -f Login/build.xml run
```

Uninstalling JavaFX Scene Builder

To uninstall JavaFX Scene Builder, use the standard uninstall process for your operating system.

