

## JAVAFX SOFTWARE

THE EXPRESSIVE PLATFORM FOR  
ALL THE SCREENS IN YOUR LIFE

### KEY FEATURES

- Enables rapid development of expressive user interfaces for enterprise and consumer applications
- Leverages the power, performance, and security of Java technology
- Unifies the development and deployment model for building consistent RIAs across desktops, browsers, mobile, and TV
- Available free of charge for both commercial and noncommercial use

### KEY BENEFITS

- Create more advanced content – combines advanced UI features with the power of the Java VM
- Accelerate development cycle - Intuitive workflow through highly effective separation of logic, interaction model, and design enables rapid prototyping
- Reduce project risk - leverage familiar Java technology, including existing assets and in-house expertise

*JavaFX software extends the capabilities of the Java platform by delivering rich multimedia, animation, and Web services via a set of runtime components and a simple, but powerful, scripting language. JavaFX enables content creators to quickly build interactive applications that can be deployed easily across a variety of devices. With the JavaFX SDK, developers and designers are equipped with the essential technologies, tools, and resources they need to create and deploy expressive and effective enterprise content.*

### Create Expressive, Interactive Applications

JavaFX provides a unified development and deployment model for building data-driven client applications that leverage multimedia, visual effects, and animations to present exceptional user experiences. JavaFX empowers developers to program in a visual context and enables them to produce the highly engaging, interactive, and easy-to-use applications that are in high demand by today's enterprise customers.

### Leveraging the Java Ecosystem

JavaFX will be the force behind delivering compelling "brand name" content and will enable enterprise IT departments to deliver richer experiences while maintaining their existing technology investments. Businesses can leverage their existing investment in Java by building JavaFX clients that can directly access existing Java APIs and code from existing Java applications. These applications can be seamlessly deployed to all popular browsers and desktop operating systems. Businesses save on time and cost by streamlining development in one familiar environment. Developers can also continue to leverage the global Java ecosystem with its vast knowledge base and vibrant community.

### Simple, Declarative Language for Creative Minds

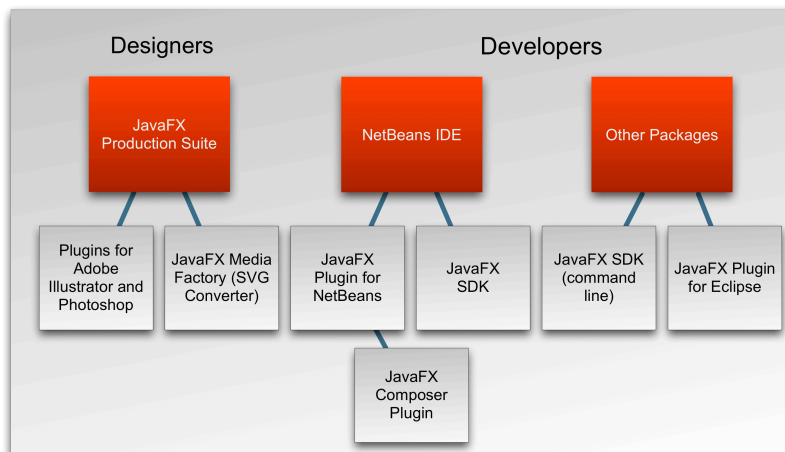
JavaFX applications are written in JavaFX Script, a language designed for Java developers as well as interaction designers who like to program in a visual context. It is a simple, easy-to-learn, declarative scripting language that enables developers to write code that closely matches the layout of the graphical user interface (GUI). JavaFX Script has a powerful data-binding feature, which is a simple syntax for synchronizing the state of multiple objects, thus allowing GUI components to automatically change state with changes in underlying data.

### Seamless Workflow and Powerful Tools

JavaFX also empowers designers to become more hands-on in the development process. With a suite of tools, designers can more effectively collaborate with their development counterparts. The production cycle can be dramatically shortened with the use of free tools such as the JavaFX SDK, the JavaFX Production Suite, and the NetBeans IDE with its JavaFX Composer plugin. Enterprise developers familiar with other IDEs such as Eclipse can also build in JavaFX with community developed 3<sup>rd</sup> party plugins.

**RELATED PRODUCTS**

- NetBeans IDE
- JavaFX SDK
- JavaFX Production Suite



Tools available for JavaFX Software

**NetBeans IDE and the JavaFX Composer**

Developers not only will benefit from standard IDE features such as code completion, and debugging, but they can also leverage the first-class Java EE and SE support that already exists in the NetBeans IDE. In addition, the NetBeans IDE includes the JavaFX Composer plugin, a visual layout tool for JavaFX that allows developers to rapidly create UI and layouts using a rich set of bundled UI controls. By providing a visually driven development experience, the JavaFX Composer reduces the learning curve for building JavaFX applications and enables technical user experience designers to collaborate directly in the development process. The JavaFX Composer further speeds development with its intuitive data-binding features enabling developers to quickly connect to databases, Web Services and other data sources.

**JavaFX Production Suite**

The JavaFX Production Suite is a set of designer-focused tools that simplify the process of producing more interactive graphical assets via plug-ins for popular design tools. Designers can leverage their expertise with Adobe Photoshop and Adobe Illustrator to seamlessly create sophisticated graphics assets, then export them via a one-click conversion to a JavaFX compatible format. Once converted, these assets can then be manipulated by developers in an IDE environment. The JavaFX Production Suite also includes a preview option allowing designers to make any necessary modifications prior to conversion.

Also included in the JavaFX Production Suite is the JavaFX media factory that enables designers to convert Scalable Vector Graphics (SVG) created with third party tools such as Inkscape. The Production Suite allows for an iterative and highly productive collaboration process between designers and developers to create professionally looking user interfaces.

**Customizable UI Controls**

JavaFX includes 30+ native UI controls such as text fields, tooltips, and lists that can be used to shorten development times and make form-based desktop and web applications a snap to create. These UI controls can also be styled using Cascading Style Sheets (CSS), further adding uniqueness and creativity to applications appropriate for both customer and internal use.

**Java Technology Broadens Your Market Reach**

Deployed on billions of devices, developers can leverage the power, maturity, performance and ubiquity of the Java Virtual Machine, a proven, mature, high performance platform. JavaFX applications can take advantage of performance enhancing features of Java such as

the HotSpot virtual machine, garbage collector, and advanced set of libraries. JavaFX also provides advanced graphics, audio and video rendering

### Be Part of the Community

Become part of a vibrant global community. Communicate with other students, professionals, and hobbyist developers on discussion forums. Access tutorials, blogs, podcasts, and screencasts at [javafx.com](http://javafx.com)

### System Requirements

The system and software requirements that must be met before using the JavaFX technology can be found at [javafx.com/downloads](http://javafx.com/downloads)

## Contact Us

For more information about JavaFX technology, visit [oracle.com](http://oracle.com) or call +1.800.ORACLE1 to speak to an Oracle representative.



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