



JavaFX: The Platform for Rich Internet Applications

Simon Ritter

Technology Evangelist, Sun Microsystems



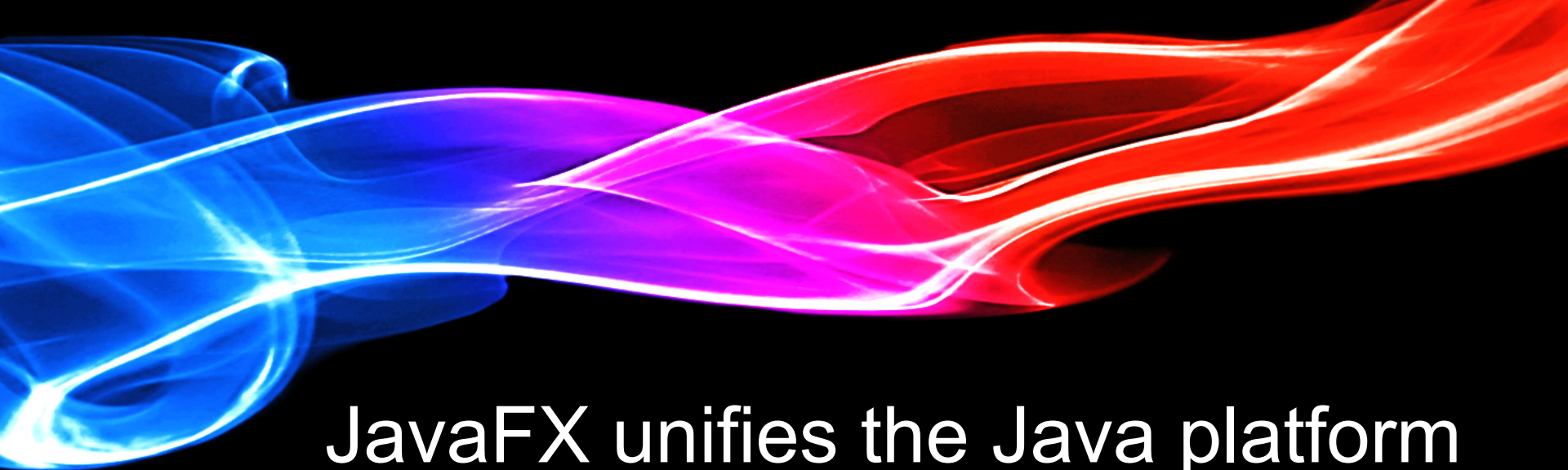


How Big Is The Online Market?



Opportunities are everywhere (and so is the Java platform)





JavaFX unifies the Java platform
across all devices, for all audiences



The Java logo, featuring a stylized blue coffee cup with three orange flames rising from it.

10 things about JavaFx™ you need to know

One

It's here !

Download Now

JavaFX SDK and NetBeans IDE for JavaFX™



JavaFX 1.0

JavaFX SDK

Netbeans 6.5 for JavaFX

JavaFX Production Suite

75+ sample applications



Two

Cool new
language

JavaFX Script

Purpose built for RIA

Declarative

Data binding

Event triggers



Three

Beautiful graphics

Beautiful Graphics

Graphics acceleration
JavaFX scene graph
Animations
Lighting



D e m o



E f f e c t s P l a y g r o u n d

Four

Rich API set

JavaFX APIs

Scene graph
Media
Web services
...any Java API



Five

Great developer
tool

NetBeans 6.5 for JavaFX

First class projects
JavaFX Script editing

Code completion

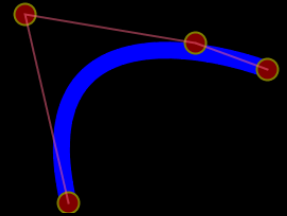
Compile on save

Debugging

Graphics preview

Integrated documentation

Deploy to desktop/browser/mobile



D e m o



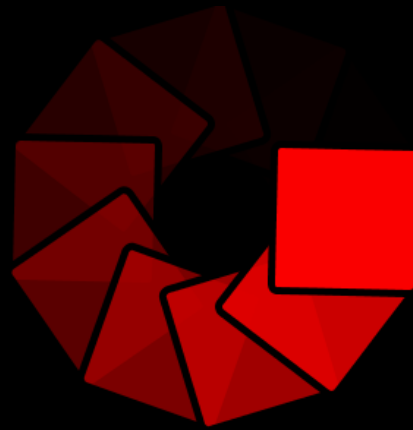
J a v a F X B o o k

Six

Integrates into
graphic design
tools

JavaFX Production Suite

Tools for developer/designer workflow
Export design from Adobe tools
Import and integrate into JavaFX



Seven

Runs on multiple
devices

Multiple devices

Common language, no subsets

JavaFX API Profiles

Common Desktop *MobileTV*



Eight

Built on Java

JavaFX Stack

JavaFX Applications

JavaFX Runtime

JavaFX Script

Media

Scene
Graph

Web
Services

Java SE

Java ME



D e m o



V i d e o P o k e r

The 'Consumer JRE'

JavaKernel for faster download

Java Quickstarter for faster startup

New robust browser plugin



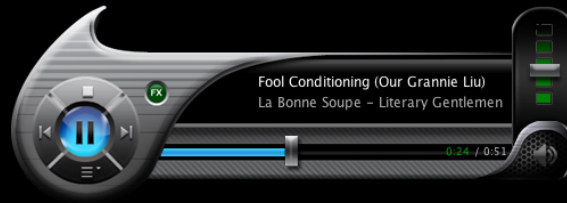
Applets Are Back

Draggable Applets from
Firefox 3 and Internet Explorer 7

Nine

Encode once,
play anywhere
media

JavaFX Media

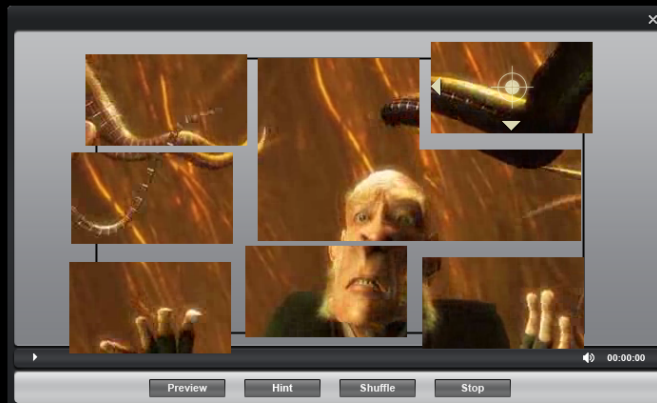


Mac native

Windows native

Future version on Linux

New cross platform format (FXM)



D e m o



Demo



V i d e o P u z z l e

Ten

Deploys itself

JavaFX Runtime Deployment

JavaFX deploys on the JRE
JRE is installed on 9/10 new PCs
JRE downloads

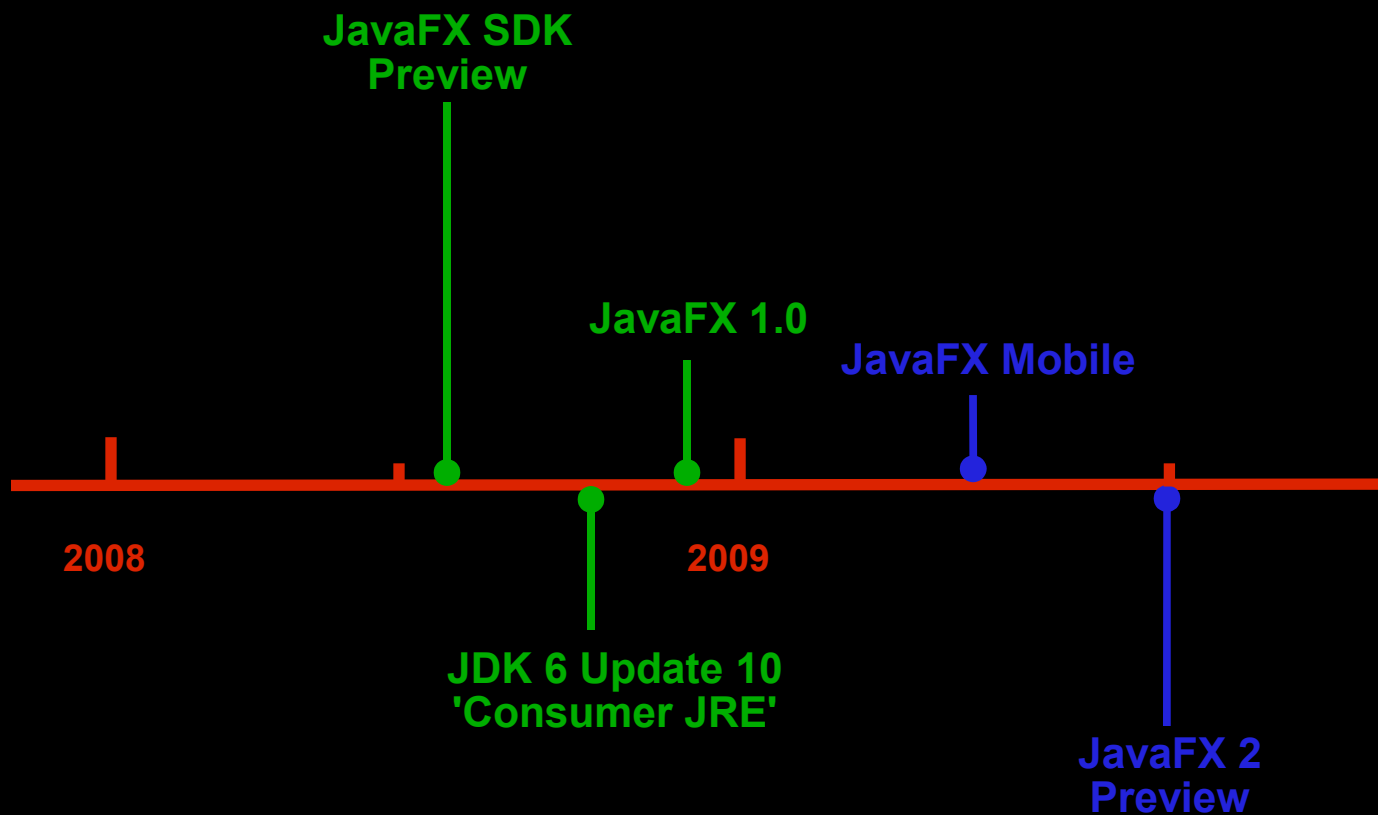
Typical month: 40-50m

Java SE 6u10 since release: 42m

Java SE 6u11 in *first 6 days*: 20m



JavaFX Roadmap



JavaFX Top 10

It's here

Cool new language

Beautiful graphics

Rich API set

Runs on multiple devices

Great developer tool

Integrates into design tools

Built on Java

Encode once, play anywhere media

Deploys itself



What About Java SE 7?

A number of things have delayed
Java SE 7

JavaFX development

Java SE 6 u10

Other stuff

Java SE 7 now back on track

Modular JDK (Project Jigsaw)

VM support for dynamic languages

Swing Application Framework

More concurrency utilities

More new IO APIs

Some Things Not In Java SE 7

Closures

Bean Binding

First Class Properties

Operator Overloading

Summary

JavaFX delivers RIA
applications built on the Java
Platform

Java SE 6 u10 starts to address
deployment issues

Java SE 7 will start to
modularise the Java Platform



Simon Ritter
simon.ritter@sun.com