



# JavaFX: The Platform for Rich Internet Applications

**Danny Coward**

**Chief Architect, Client Software  
Sun Microsystems**



**Final, shipping  
software ONLY**

# 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



Demo

# Video Puzzle

Richard Bair

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

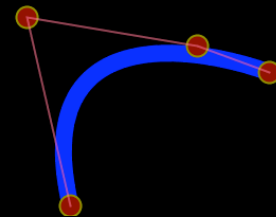
Compile on save

Debugging

Graphics preview

Integrated documentation

Deploy to desktop/browser/mobile



# Six

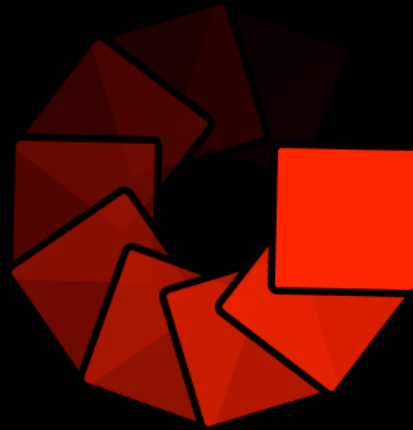
Integrates into  
graphic design  
tools

# JavaFX Production Suite

Tools for developer/designer workflow

Export design from Adobe tools

Import and integrate into JavaFX



Demo

# Swish

Martin Brehovsky and Jasper Potts

# Seven

Runs on multiple  
devices

# Multiple devices

Common language, no subsets

JavaFX API Profiles

Common Desktop *MobileTV*



Demo

# Cloud DVR

Richard Bair

**Eight**

**Built on Java**

# JavaFX Stack

JavaFX Applications

JavaFX Runtime

JavaFX Script

Media

Scene  
Graph

Web  
Services

Java SE

Java ME



# The 'Consumer JRE'

JavaKernel for faster download

Java Quickstarter for faster startup

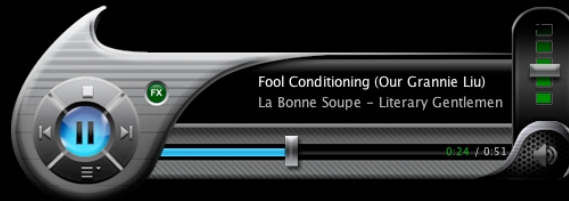
New robust browser plugin



# Nine

Encode once,  
play anywhere  
media

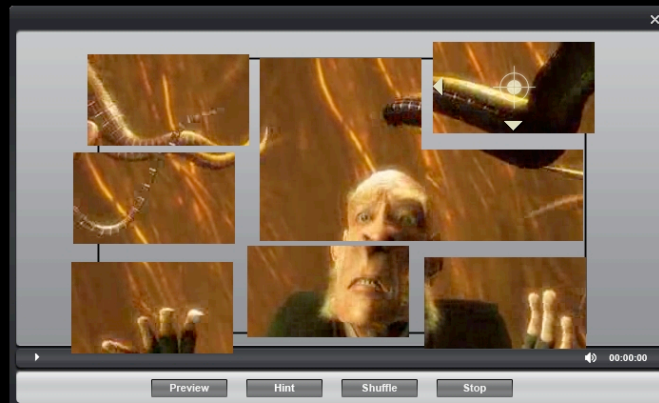
# JavaFX Media



Mac native

Windows native

New cross platform format (FXM)



Demo

# Fox Box

Josh Marinacci

Ten

Deploys itself

# JavaFX Runtime Deployment

JavaFX deploys on the JRE

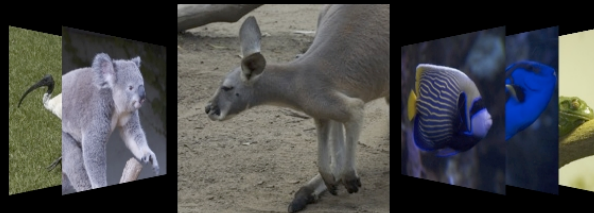
JRE is installed on 9/10 new PCs

JRE downloads

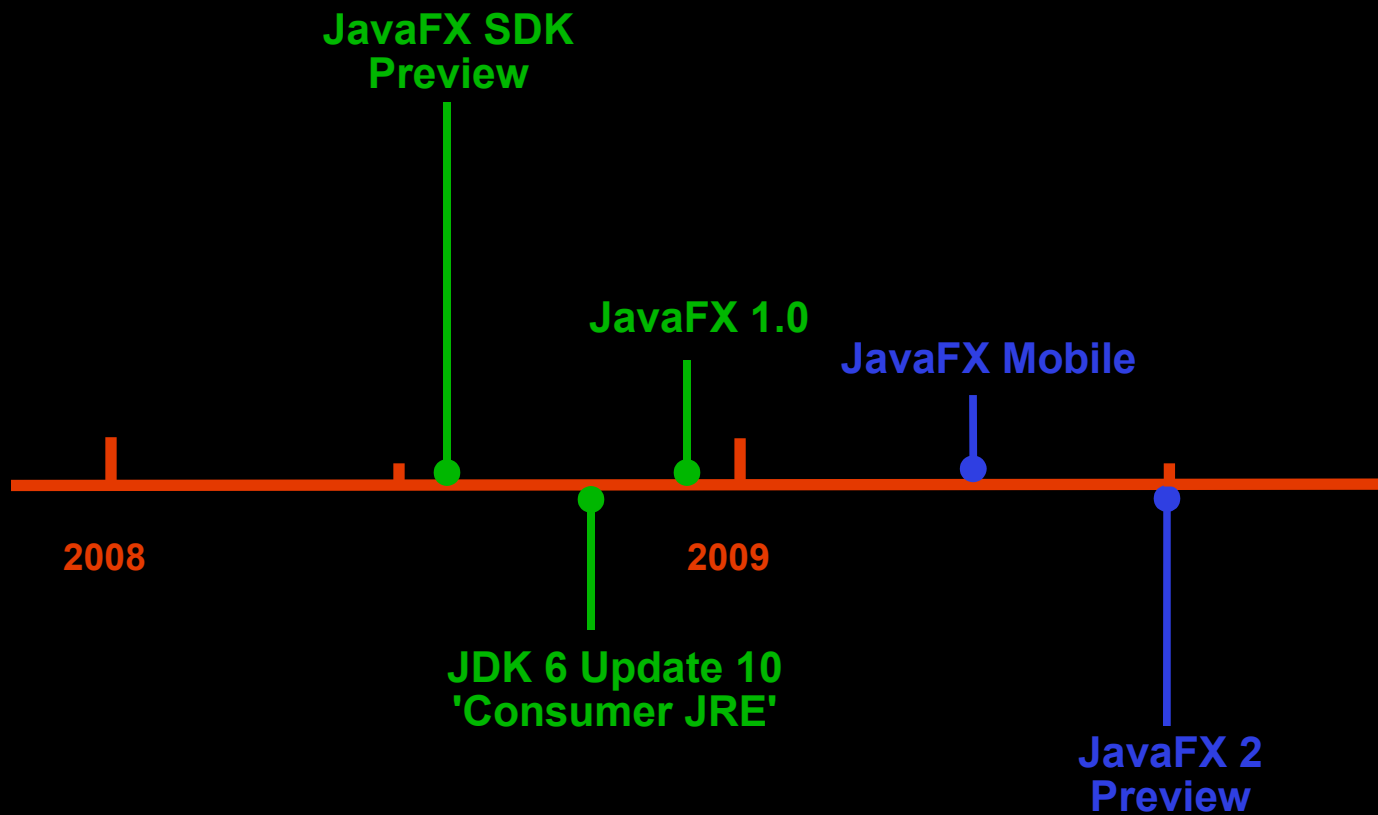
Typical month: 40-50m

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

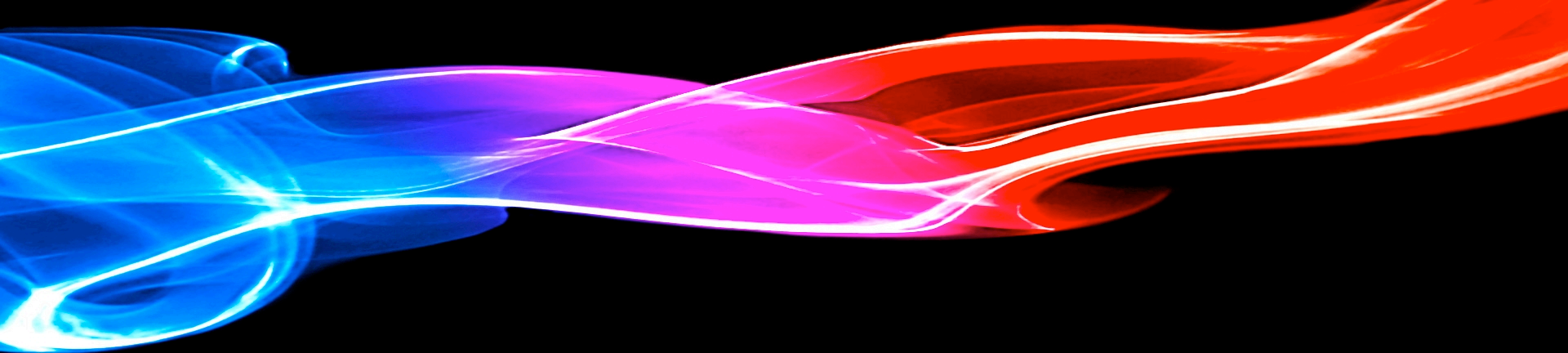
Integrates into design tools

Built on Java

Encode once, play anywhere media

Deploys itself





end