





A Tour of JavaFX Scene Builder

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Program Agenda

- Introducing Scene Builder
- Scene Builder in Action
- Exploring Scene Builder Features
- Conclusion

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Scene Builder Product

Product General Availability (GA) in August 2012

- 1.0 Developer Preview release started to be available in April 2012
- **Official 1.0 release available since August 2012**
 - Mac OS X (10.7) and Windows (Vista, 7, XP)
- Developer Preview for 1.1 available on Oracle Technology Network
 - Linux, Mac OS X (10.7/8) and Windows (Vista, 7, XP, Windows 8 beta)



Scene Builder Main Goals

Simple and intuitive tool for Designers and Developers

- Quickly design JavaFX based user interface without writing Java code
- Helping to explore and learn about JavaFX
- Helping to maintain a clean separation between user interface design and application logic
- Standalone tool to be used with the Java IDE of your choice such as NetBeans, Eclipse or IntelliJ



A Visual Layout Tool for JavaFX Applications

Direct manipulation, instant rendering

- Interactively layout and configure UI elements
- Instant previewing of layout and CSS
- Simple process to bind application logic to event handlers
- Generates JavaFX FXML (XML-based markup language) document



FXML Format Key Benefits

Clean separation between user interface and application logic

- Similar to:
 - MXML (Adobe)
 - XAML (Microsoft)
- Easy to read and maintain
- Easy cooperation between Designers and Developers
- Scene graph and event handlers described in XML
- Editable by tool (such as Scene Builder) and any text or XML editor
 - NOTE: FXML generated by Scene Builder is very clear and well formatted. It can be easily manually edited. Scene Builder will automatically reload updated documents



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Demo, Securing Java...Logo

- Building a JavaFX Application using Scene Builder 1.1 and NetBeans 7.3 Beta IDE

Demo, Exploring Scene Builder Features

- Demo of a selection of features

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Feature List 1/2

- Library of JavaFX 2.2 UI elements: Containers, Controls, Shapes and Charts
- Extensive support for GridPane container
- Immediate CSS rendering
- Support for Effects
- Import Image, Media and included FXML files
- Custom component support

Feature List 2/2

- Sample Data for Chart, TableView, ListView, TreeView and more
- Automatic sizing: Fit to parent, Use Computed size
- Selection “Wrap in”
- Previewing in Window
- Internationalization

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JavaFX Scene Builder Future Release

- Release themes
 - Usability enhancements (Usability study: <http://tinyurl.com/8bs8exx>)
 - Custom components in Library
 - CSS troubleshooting
 - Linux
 - Address feedbacks from community
- Schedule
 - Scene Builder 1.1 Developer Preview October 2012
 - Scene Builder 1.1 GA First Half of 2013



For More Information

- <http://javafx.com/>
- Documentation: <http://docs.oracle.com/javafx/>
- Log bugs: <http://javafx-jira.kenai.com/>
- Search youtube for videos (keyword: scene builder)
- Scene Builder demo at the JavaFX booth
- Reference sessions:
 - BOF 4279 : In-Depth Layout and Styling with the JavaFX Scene Builder



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