

## Flex 3 Pre-release Tour



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## Flex 3 Pre-release Tour Agenda

- Adobe Platform Update (45 mins)
- Flex Builder 3 Features (45 mins)
- Adobe & Open Source (10 mins)
- BlazeDS and LiveCycle Data Services (30 mins)
- Adobe Q & A
- Prize Raffle
- Local presentations



## Flex 3 Pre-release Tour Raffle





- 1 x Flex Builder 3 Professional
- 1 x Adobe Creative Suite 3 Web Premium
- 1 x iPod Nano
- 5 x Adobe Flex 'Schwag' Bags



## Flex 3 Pre-release Tour OnCamera



- Capturing people, places and experiences on the Flex 3 Pre-release Tour
- Tell us about your Flex or AIR application and show the world what you're building!
- Video footage will appear on blogs and Adobe Developer Centre



# Adobe Platform Update



#### **Flex Adoption**



## 3,400,000,000+

Installs of Flash Player 9

560,000+

Downloads of Flex

# 115,000+

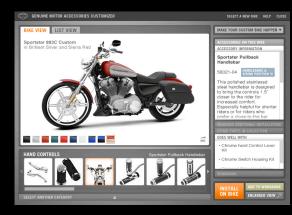
Visitors to Flex.org in Oct 07

### **Demand for Flex skills**

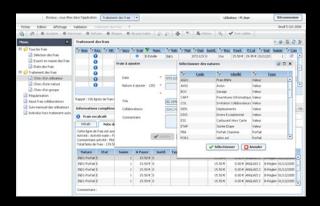


#### Where Flex is Used

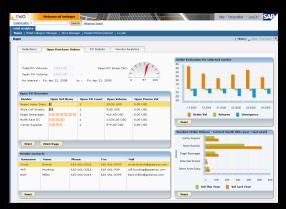
#### Product Configuration



#### Line of Business Applications



#### Data Visualization



#### **Rich Media Applications**



#### Authoring Applications

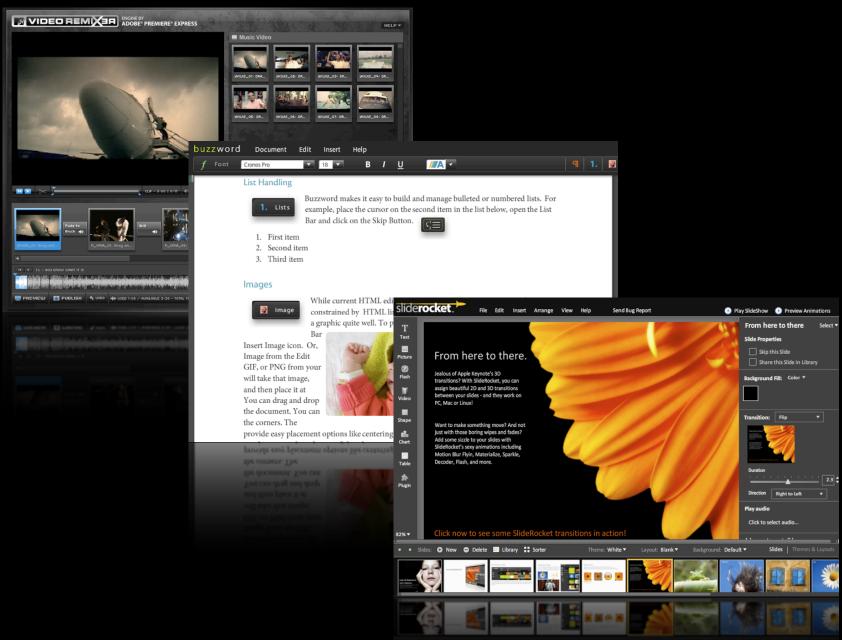


#### **Product Selection**

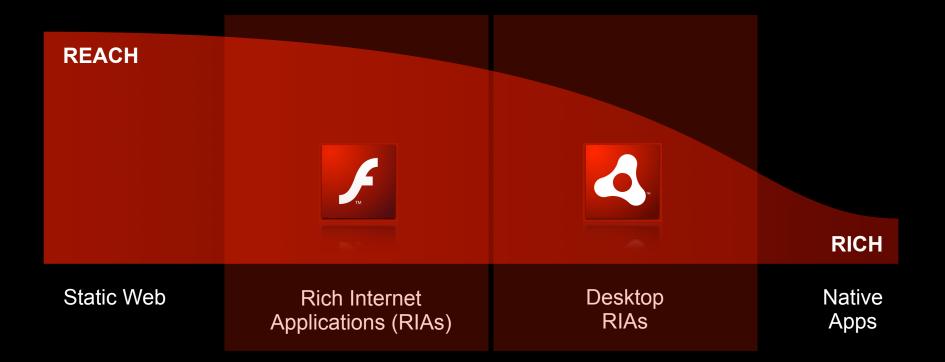
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	144		*:					



#### **Amazing Flex apps**



### **Application Development Choices**



### **Adobe AIR Architecture**



### **AIR 1.0 Functionality/APIs**

- Network Detection
- File I/O
- Custom Window Chrome (shapes, alpha transparency)
- Multi-Window
- Native Menus
- Drag'n'Drop, Clipboard Access
- System Tray and Dock Notifications
- Application/Installer Signing

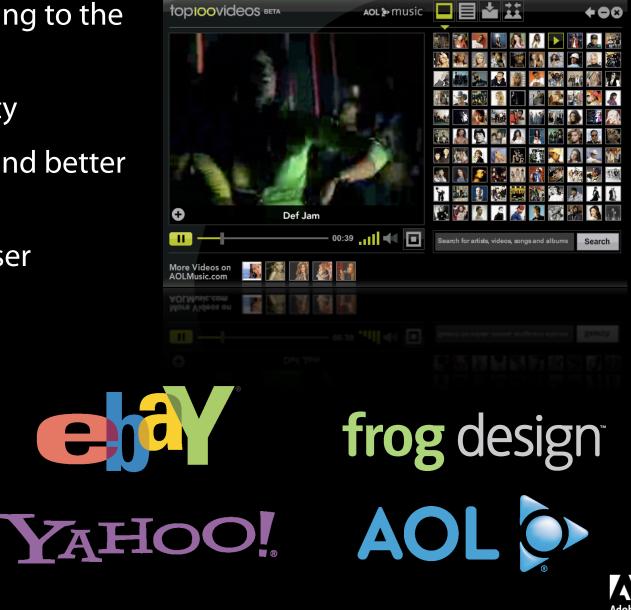
- Application lcons
- File Type Registrations
- Background Applications
- Application Update APIs
- Network
  - HTTP Support
  - Supports XML-RPC / SOAP / Rest Based Web Services
  - Binary and XML Sockets

### **Branded consumer applications**

- Extend web offering to the desktop
- Build brand loyalty
- More user value and better retention
- Deliver custom user experience

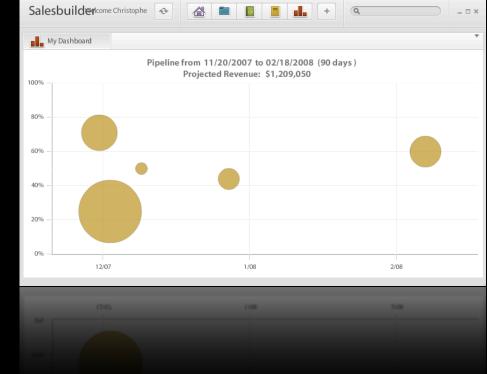






### Line of Business applications

- Integration with existing desktop apps/local data
- Offline use for disconnected scenarios
- Rapid application development
- Leverage internal web development skills



Record of the second of the se

#### Flash Player "Moviestar"

- H.264 support
- HD video up to 1080p
- Multi core CPU boost
- Full screen hardware scaling
- 50% faster bitmap downscaling
- Encrypted stream support for FMS 3.0



#### **Delivering new Services**





## Flex Builder 3 Features



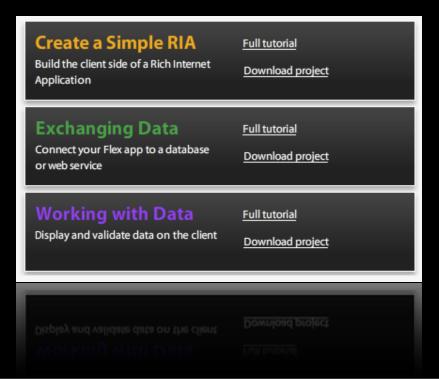
### Introduction

#### Builds on Flex Builder 2 features

Project support, code hinting, visual layout, incremental compilation, debugging

#### New 'Getting Started' Experience

- Tutorials on UI, Data, Events, Debugging...
- Sample projects for ASP.NET, ColdFusion, PHP and J2EE



#### **Working with Flex Projects**

- New Create Project Wizard
  - Creates either a Flex web or AIR desktop application
  - Server projects support ASP.NET, ColdFusion, PHP and J2EE

Create a Flex project.
Choose a name and location for your project, and configure the server technology y
Project name:
Project location
☑ Use default location
Folder: /Users/ashorten/Documents/Flex Builder 3
Application type
O 🕞 Web application (runs in Flash Player)
<ul> <li>Desktop application (runs in Adobe AIR)</li> </ul>
<ul> <li>Desktop application (runs in Adobe AIR)</li> </ul>
() La Web application (runs in Flash Player)

#### **Working with Flex Projects**

#### Export Release Build

- Use when ready to deploy your Flex or AIR application
- Outputs release-ready optimized version of application
- View source option added to Export

Export Release Build					
Build and export an optimized release-quality SWF or Adobe AIR application installer.					
Project: (	Flexstore	\$			
Application:	newstore.mxml	\$			
View source					
🗹 Enable vi	iew source				
Choose	e Source Files				
Export to folde	er: bin-release	Browse			
	(in /Flexstore)				
	(in /Flexstore)				
Export to fold	er: bin-release	Browse			

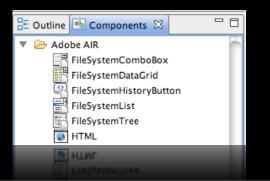
### **Platform Evolution**

#### AIR Application Support

- Code hinting, debugging and profiling support
- Application Packaging and Signing tools

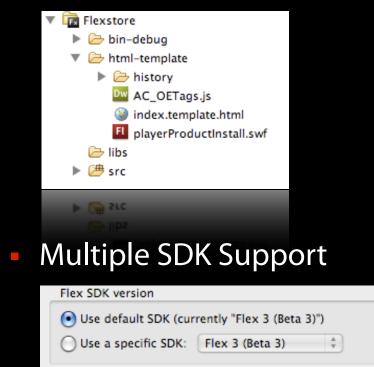
Digital Signature				
Specify the digital certificate that represents the application publisher's identity.				
• Export and sign an AIR file with a digital certificate				
Certificate: VUsers/ashorten/aircert.pfx   Browse  Create				
Password:				
Remember password for this session				
Export an intermediate AIRI file that will be signed later				
Export an intermediate AIRI file that will be signed later				

Additional Flex components for desktop applications



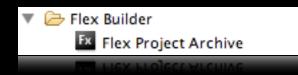
### **Working with Flex Projects**

#### New Project Structure



Configure Flex SDKs...

#### Project import/export



#### **New Design Features**

#### Zoom and Panning in Design View



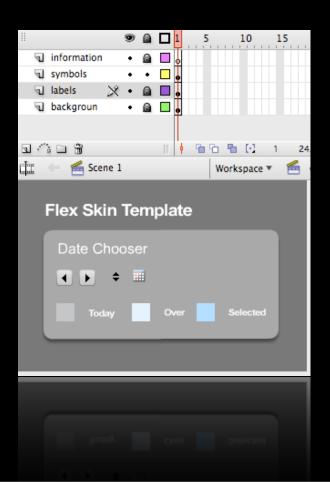
Background:	
Up	Label
Over	Label
Down	Label
Disabled	Label
Disabled	Label



#### **New Design Features**

#### Integration with CS3

- Flex Component Kit
- Flex Skin Templates



#### Flex Skinning Wizard

#### Import Skin Artwork

Select the skins to import and specify which style and skin part each will be used

#### Skins: Symbol Class Style Selector $\checkmark$ AccordionHeader\_skin AccordionHeader $\checkmark$ Button\_skin Button $\checkmark$ 1 ButtonBar\$button skin ButtonBar-button $\checkmark$ 잼 ButtonBar\$firstButton\_skin ButtonBar-firstButton $\checkmark$ 잼 ButtonBar\$lastButton\_skin ButtonBar-lastButton $\checkmark$ 1 CheckBox\_icon CheckBox $\checkmark$ 잼 ColorPicker\_skin ColorPicker $\checkmark$ ComboBox\_editableSkin ComboBox $\checkmark$ 3 ComboBox\_skin ComboBox $\checkmark$ 1 CursorManager\_busyCursor CursorManager $\checkmark$ 8 DataGrid\_borderSkin DataGrid DataGrid\_border5kin DataGrid CursorManager\_busyCursor CursorManager

Fw Ps Fl Ai

#### **New Coding Features**

#### Commenting

Toggle comments and block comments

#### Searching for Declarations/References

 Find variable, method and class declarations/references in files, projects and workspaces

#### Code Re-factoring

Changes to be performed		-0 ⊕ 
<ul> <li>✓</li></ul>		0
▼       ● configurator         ▼       ●chosenConfigurationItem         ▼       ●chosenConfigurationItem         ▼       ●chosenConfigurationItem         ▼       ●chosenConfigurationItem         ▼       ●chosenConfigurationItem         ▼       ●chosenConfigurationItem		
Update declaration		A
🔂 configurator.mxml		A 🖄 🖓 🖓
Original Source	Refacto	ored Source
46 private varchosenConfigurationItem:(	46	private varselectedConfiguration
47 48 [Bindable] 49 private varchosenConfigurationData: 50	47 48 49 50	[Bindable] private varchosenConfiguration
51           52           ////////////////////////////////////	51 52 53	//////////////////////////////////////
52 ////////////////////////////////////	52	// SETTER AND GETTER VARIABLE

#### **Productivity Enhancements**

#### Server Project Wizards

- Create a CRUD application from an existing database
- Generates all client and server code required for basic application
- Wizards for ASP.NET, ColdFusion, PHP and J2EE servers

Choose data	source				
Establish a co	nnection to your data	base table.			
Project: Connection:	wizards	Generate server-s Generate server-side application.		e betwe	en the database and your Flex
Table: Primary key:	City ID	PHP source folder: PHP file name:	bin-debug City.php	1 < 2 < 3 4 5 6 7 8	<pre>?xml version="1.0" encoding="utf-8"?&gt;</pre>
				-	<pre>-&gt; mx:Application xmlns:mx="http://www.adobe.com/2006/mxml" layout="abs creationComplete="initApp()" backgroundGradientColors="[#ffffff,</pre>

### **Productivity Enhancements**

### Web Service Support

- Generate client proxy classes from WSDL
- Includes support for complex types returned from web services
- Enables complete code hinting for service methods and custom types

#### JavaScript/AJAX Wrappers

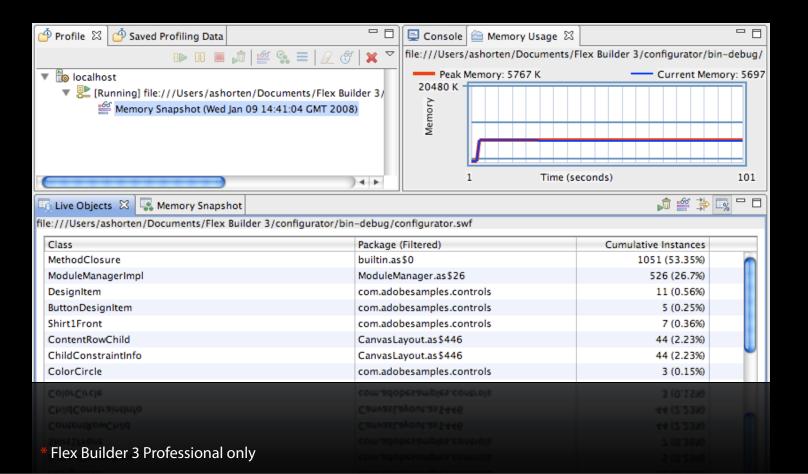
- Incorporate Flex components into existing web pages
- Wizard generates code to expose any Flex component property as native JavaScript

Configure Code Generation					
Specify the we classes.	b service operations for which to generate ActionScript client				
Web service	operations				
Service: LC	TTO_UK_NumberChecker				
Port: LC	TTO_UK_NumberCheckerPort				
Select the we	b service operations to import:				
Operat					
LOTTO	_NumCheck_SingleSet_Hist(FourD_ArgIn: LOTTO_N				
ActionScript	client classes				
Package:	net.four¦duk				
Main class:	LOTTO_UK_NumberChecker				
Main Class:	POLIS DE LA CUERTE DI LE COL				
Main class.	LOTTO_UK_NumberChecker				

#### **Productivity Enhancements**

#### Performance and Memory Profiler \*

- Use performance snapshots to quickly locate application bottlenecks
- Optimize memory usage by monitoring per-function usage



### **Platform Evolution**

Persistent Framework Cache Flex 2 - Too Big



### Flex 3 -Framework Caching



Module Support

#### **Other Flex 3 Features**

- Advanced DataGrid \*
- Automated Testing Support \*
- Better support for 3rd party components (e.g. ILOG)
- Enhanced Constraints Model
- OpenType Font Support
- Improved Charting Components \*
- Deep Linking Support
- Runtime Localisation
- Standalone web-tier compiler modules for IIS and Apache

#### **Flex Resources**

- Flex Builder 3 <u>http://labs.adobe.com/</u>
- Flex Developer Centre <u>http://www.adobe.com/devnet/flex/</u>
- Flex Community <u>http://www.flex.org/</u>