



Spotkanie 2/2008



Krzysztof Satola
Kraków, 1 marca 2008

- Adobe Flex 3 i AIR 1.0 party - 45 min.
- Sprawy organizacyjne - 00:15
- Adobe Flash Projector - interaktywne prezentacje multimedialne
(Piotr Bęben) - 00:45
- Adobe Cairngorm - Flex microarchitecture framework
(Wojciech Ptak) - 01:15
- Losowanie nagród



Adobe Chief Technology Officer
Kevin Lynch

Adobe RIA Technology

- Deploy consistently on all browsers, and now on the desktop
- Engaging, highly interactive, expressive experiences
- Highly productive development
- Designer \leftrightarrow developer productivity
- Flash has **99%** reach on connected PCs and **8 million** installs per day
- **10+ years** of proven, consistent, cross-platform performance



Adobe AIR



Adobe Flex

Adobe Technology Platform

Applications



Adobe
Media
Player



Adobe
Buzzword



Acrobat
Connect

Designer/Developer Tools



Creative Suite 3



Flex® Builder

Clients



Adobe
AIR



Adobe
Flash Player

Frameworks



Ajax



Flex

Servers/Services



LiveCycle



ColdFusion



Flash Media
Server



Flash
Cast

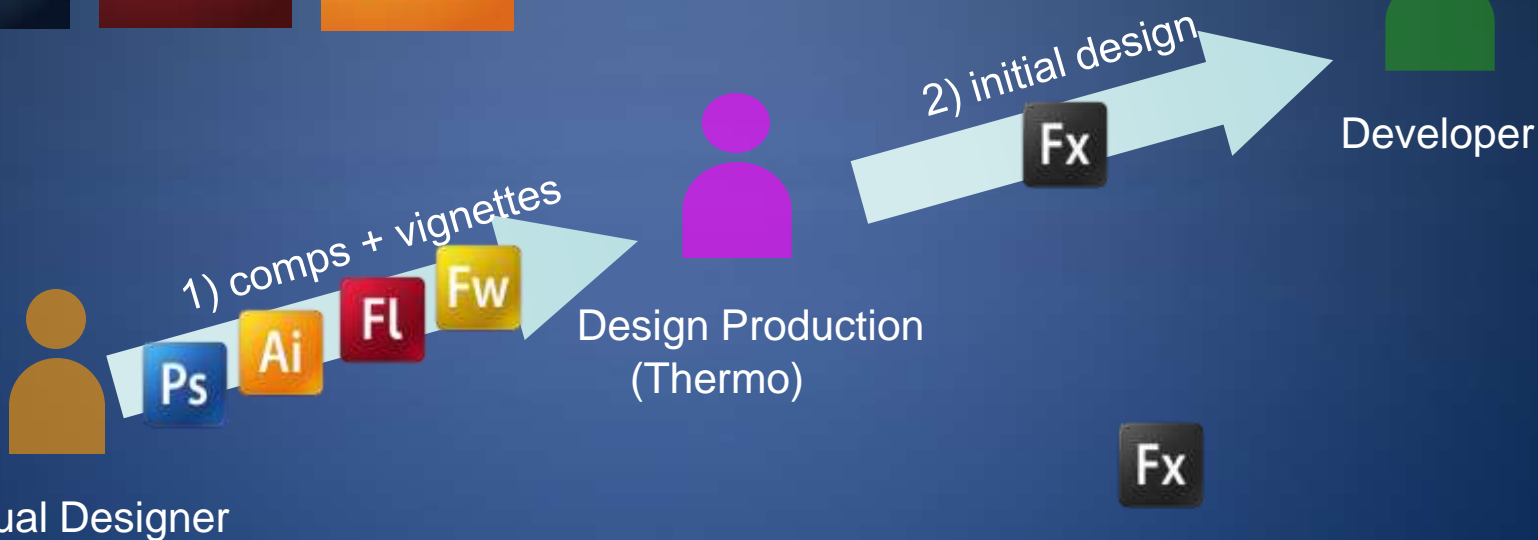


Scene7

Designer Developer Workflow

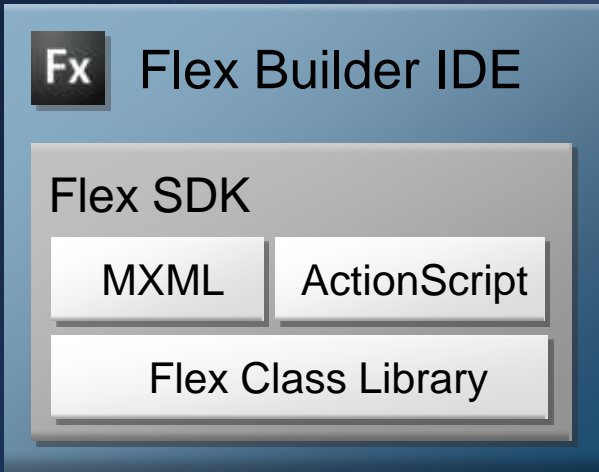


4) design tweaks

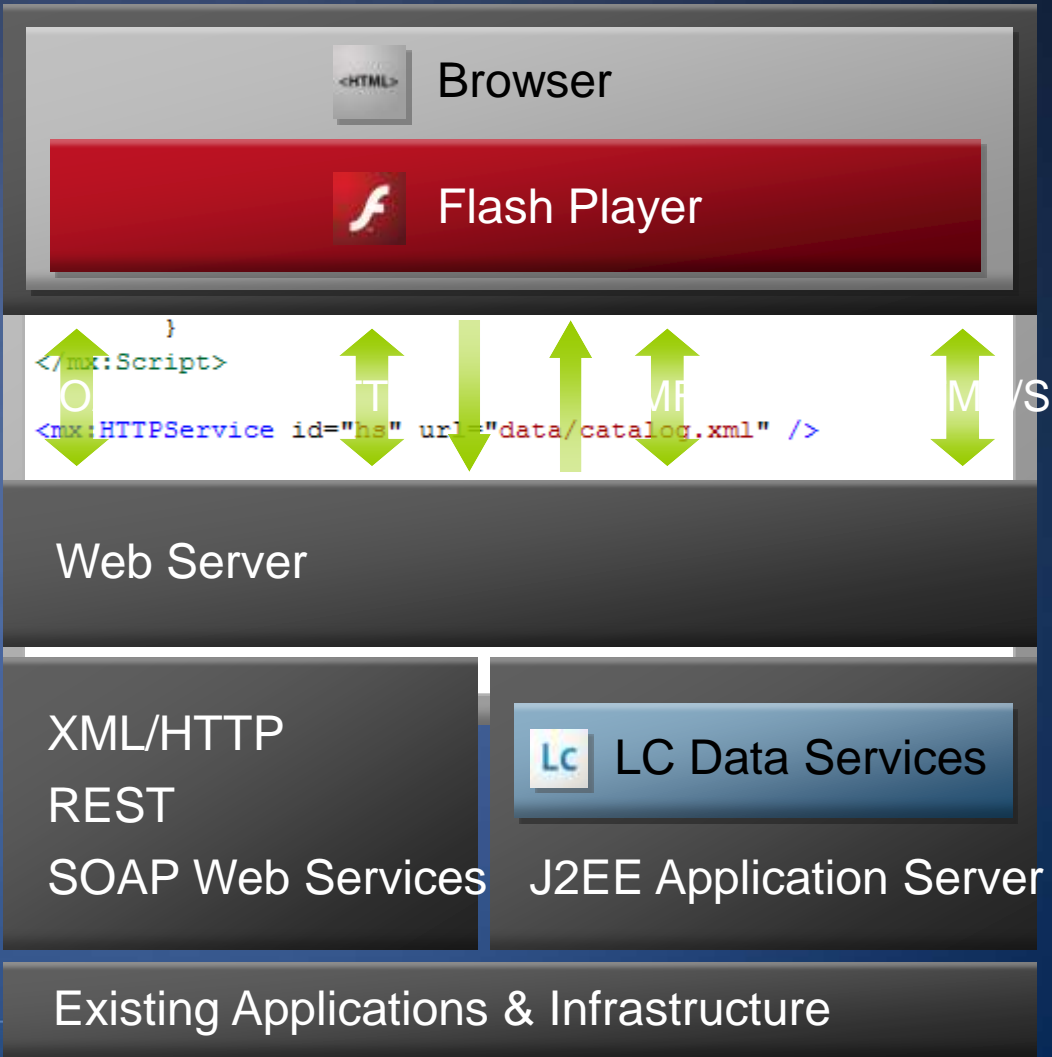


3) development

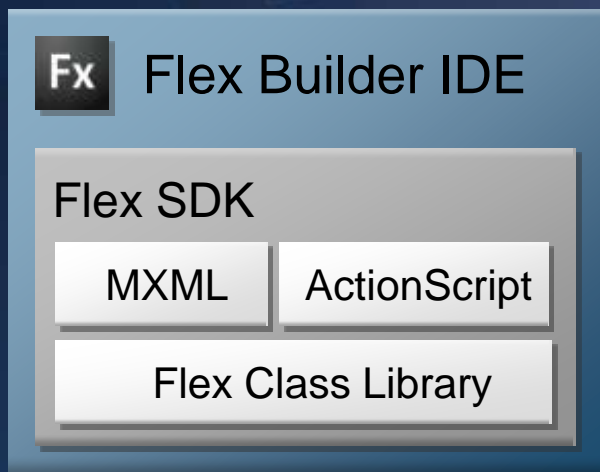
How Flex Works in the Browser



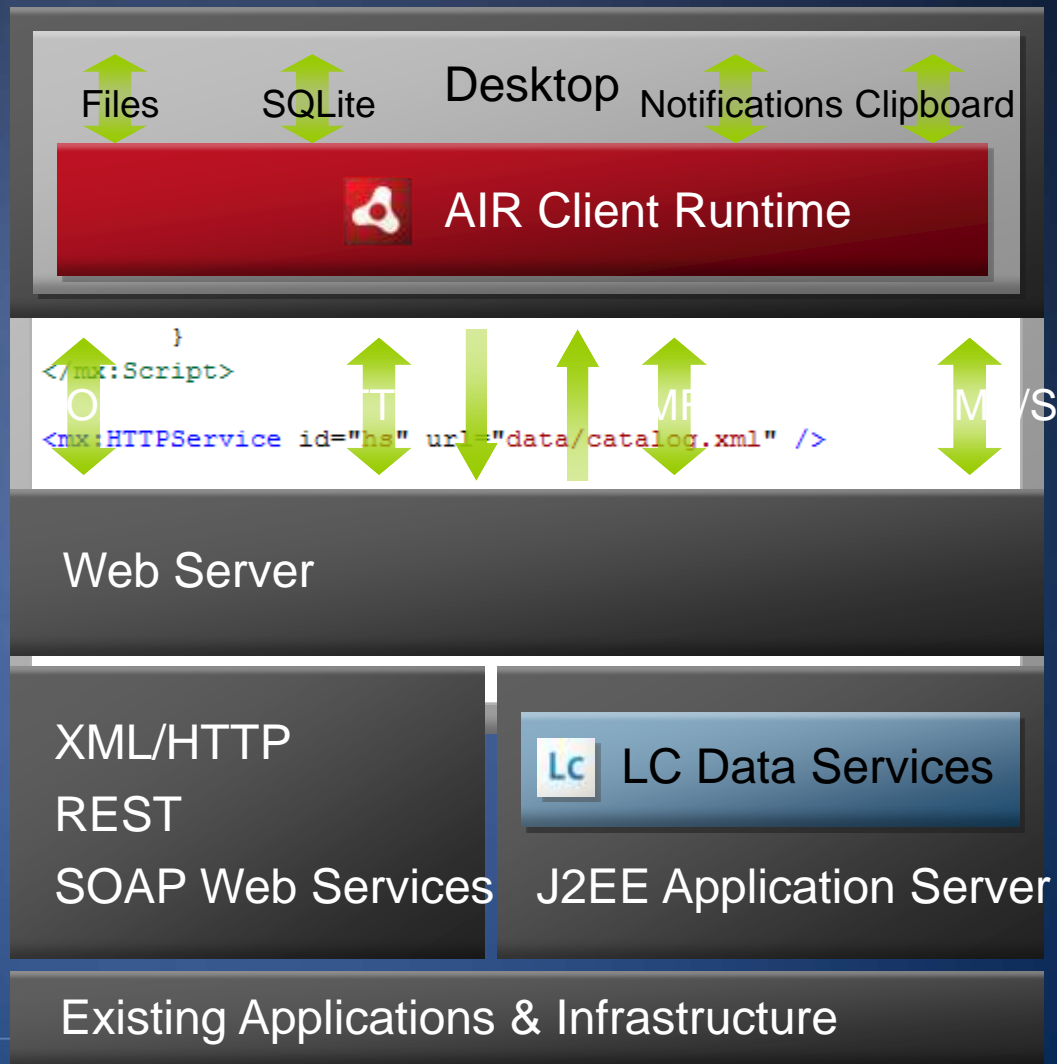
Compile



How Flex Works on the Desktop



Compile & Package

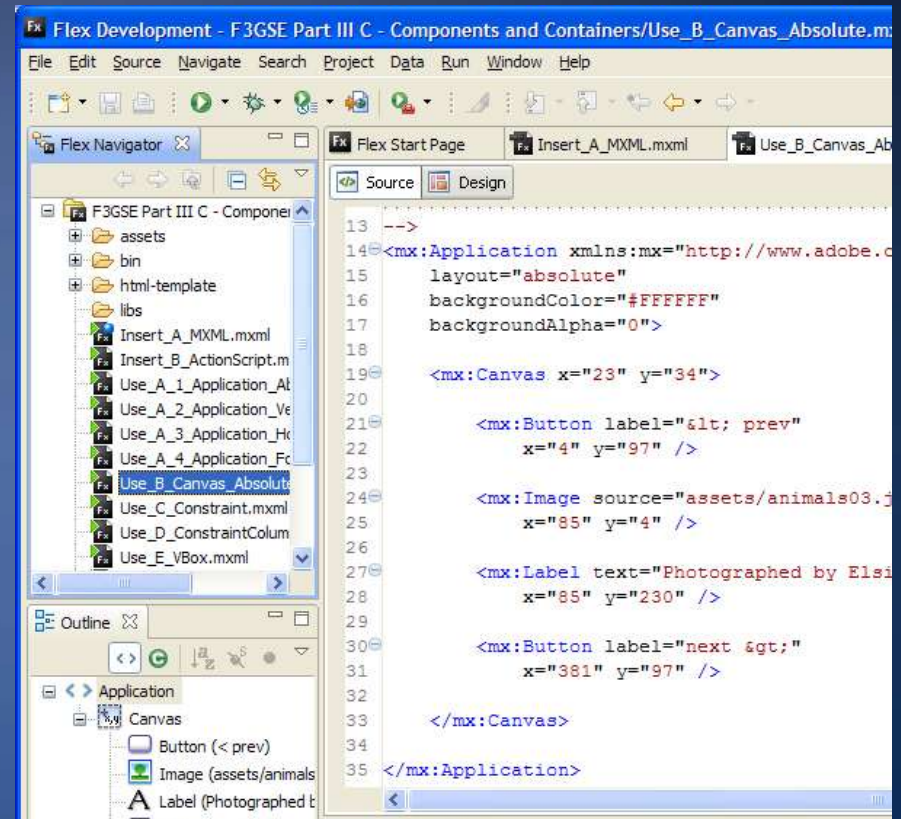


Adobe Flex Builder 3 Developer Productivity

- **Eclipse based IDE**
 - Code hinting, interactive debugging
 - Visual UI design and behaviors
 - Import assets from Adobe CS3
- **Professional edition adds:**
 - Memory and Performance Profilers
 - Charting components, advanced datagrid
 - Automated functional testing support

Standard
US\$249/\$99

Professional
US\$699/\$299



Flex 3 is Open Source

Open Source Flex SDK

- SDK source (framework, compiler, and debugger) is available under Mozilla Public License (MPL)
- Public bug database, roadmap, and daily builds available
- opensource.adobe.com/flex

Enabling Open Source Innovation

- Invites active participation from the Flex development community
- Allows open source projects to extend Flex and embed it in projects
- Enables small ISVs to bundle the Flex SDK at no cost

Open Source BlazeDS

- Flex remoting and messaging
- Available under Lesser General Public License (LGPL) v3
- Commercial license, certified builds and enterprise support are available
- Public bug base and daily builds
- opensource.adobe.com/blazeds

Growing the Flex Market

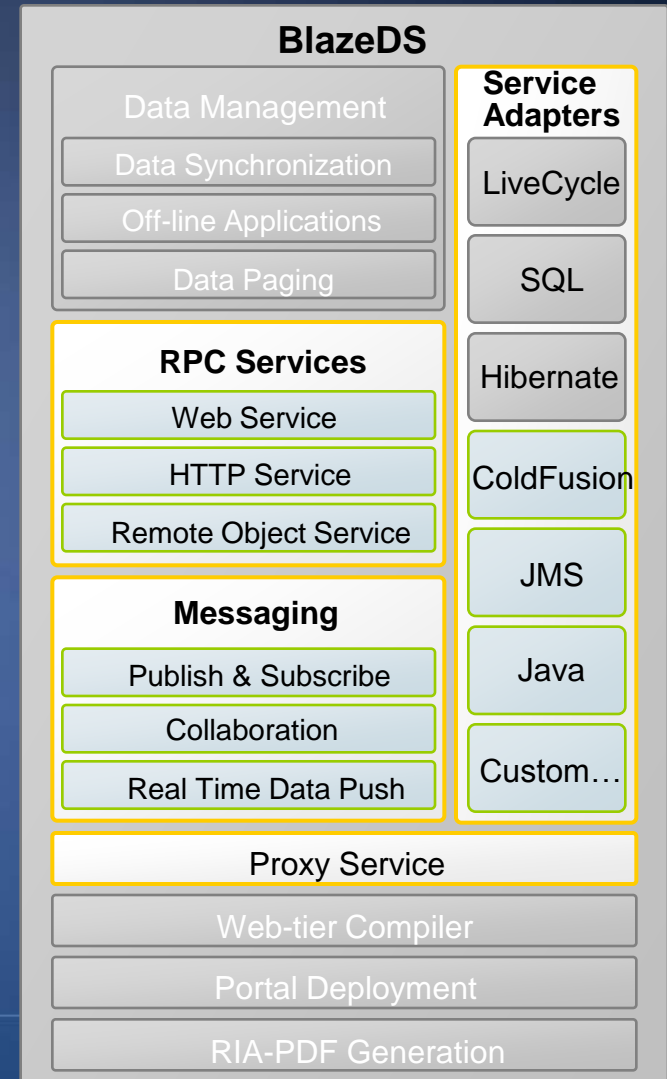
- Non-open source SDK licenses available for commercial ISVs that require it
- Raises Flex awareness by increasing usage and driving further adoption
- Expands the market for commercial Flex products from Adobe and partners

Introducing Open Source BlazeDS

BlazeDS is the remoting and HTTP-based messaging technology which Adobe is contributing to the community under LGPL v3

- Capabilities
 - Easily connects Flex & AIR applications to existing server logic
 - High performance data transfer for more responsive applications
 - Real-time data push over standard HTTP
 - Full pub/sub messaging that extends existing messaging infrastructure
- Publication of the Action Message Format (AMF3) binary data protocol specification
- Certified builds, warranty protection and enterprise support subscriptions available

LiveCycle Data Services ES



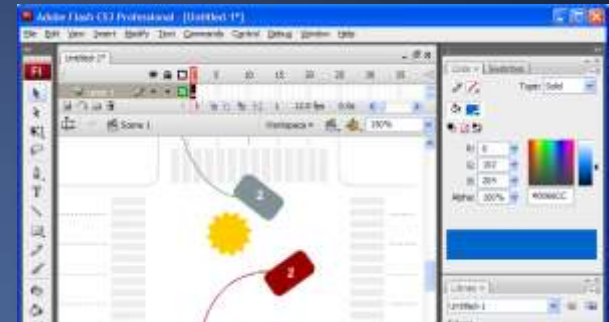
Designers and Developers - Creative Suite 3 Integration

Import Skin Assets into Flex Builder



CS3 templates make it easy to create custom component skins

Create Flex Components in Flash CS3



Flash developers can easily package work as Flex components



Import wizard generates code assigning assets to components

MXML and CSS



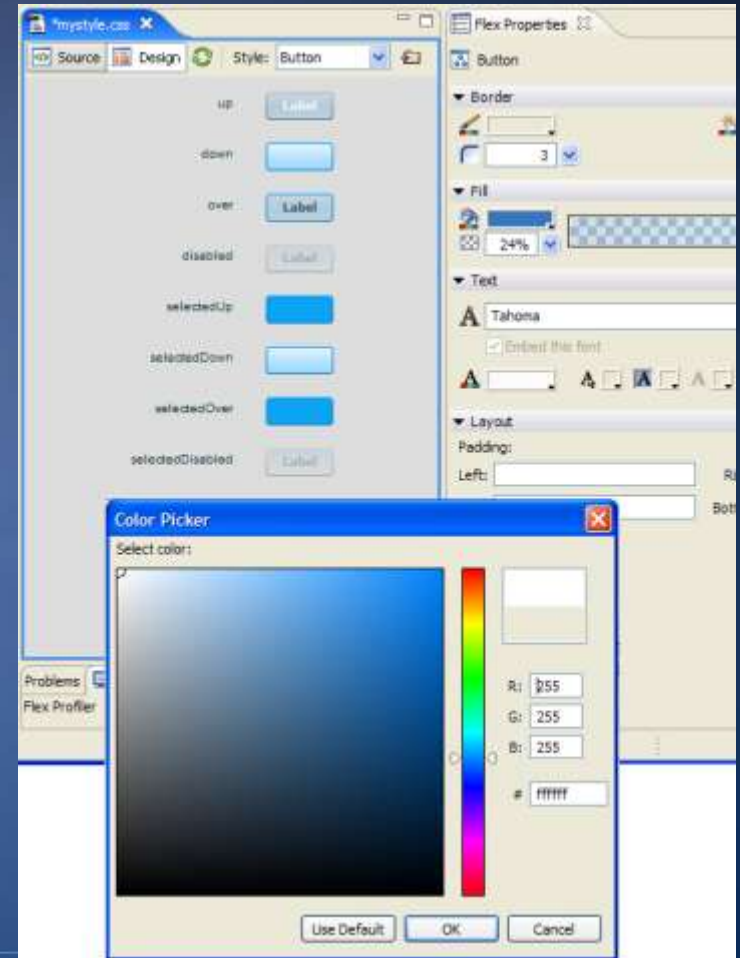
Designers and Developers - Design View Enhancements

Visual CSS Editor

- View all components states in one view
- Graphically edit CSS properties

Design View Enhancements

- Pan and zoom tools
- Improved constraints editor
- Enhanced color picker
- Greater fidelity for fonts and item renderers



Designers and Developers - Additional Enhancements

Enhanced Constraints Model

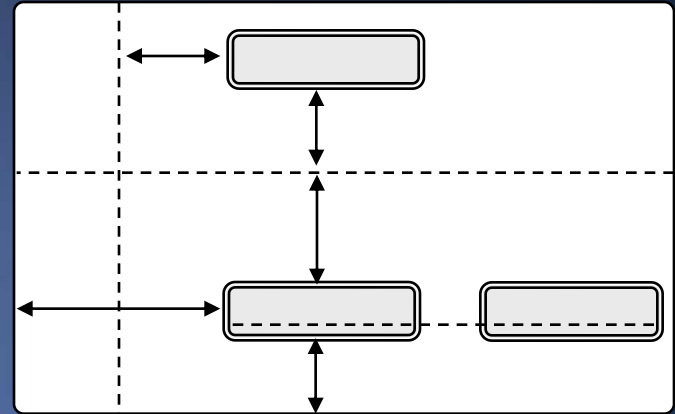
- Align components with edges or with any vertical or horizontal coordinate
- Support for baseline alignment

Skinning Model Improvements

- New skin states simplify styling
- Enhanced control over individual components

OpenType Font Support

- Embed OpenType fonts in Flex applications



Working with Data - Flex Data Components

Advanced DataGrid

- Hierarchical data displays
- Flexible grouping and sorting APIs
- Custom cell/row/column formatting

Planet	Year duration	Cost
▼ Terrestrial		
Mercury	0.24	1250
Venus	0.62	2400
		Total is 3650
▶ Gas giant		

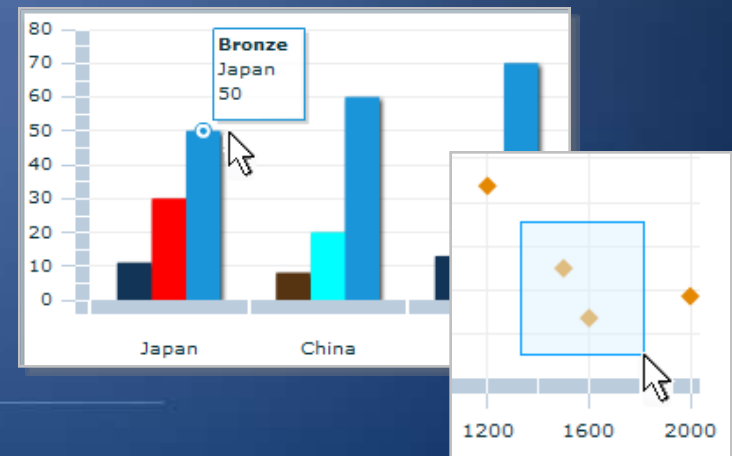
Charting Enhancements

- Data-oriented graphics API
- Per-item labels and fills
- Arbitrary number of display axes
- Region selection

Planet	Details		
	Kind	Year	Moons
Mercury	Terrestrial	0.24	0
Venus	Terrestrial	0.62	0

New List and Data Effects

- Choreograph data as it appears or disappears in a list



ILOG Elixir - Advanced Data Visualization for Adobe Flex

- Graphical data display components for Flex and AIR applications
- ILOG is the first major component vendor to ship a Flex component library
- Adobe is the exclusive reseller of ILOG Elixir
 - Available direct from the Adobe Online Store and all Adobe channels
- Advanced displays include:
 - 3D Charts
 - Country maps for interactive reports or dashboards
 - Organizational charts
 - Planning / scheduling component
 - Treemap for visual analytics
 - Radar charts (also named spider charts)
 - Gauges



US\$799

Working with Data

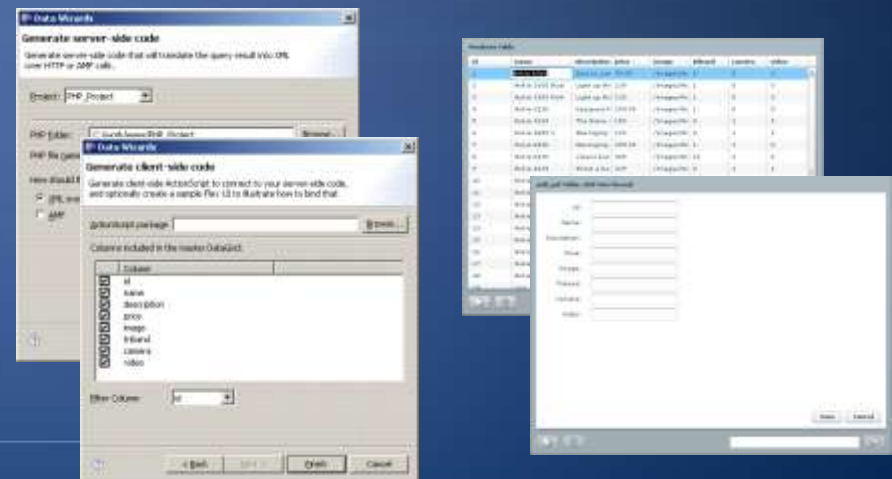
- Connecting to Remote Services

Web Services Introspection

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

Introductory Data Wizards

- Generate both server and client code from existing database tables
- Resulting applications demonstrate best practices
- Supports ASP.NET, ColdFusion, Java, and PHP



RIAs for the Desktop - Flex and Adobe AIR

New AIR-enabled Flex Capabilities

- Native OS drag and drop support
- Multi-windowed applications
- Access to local file system
- Local database storage
- Complete rendering support for HTML content



Flex Builder Support for AIR Development

- Full code hinting and error reporting
- Complete debugging and profiling support
- Application packaging and signing

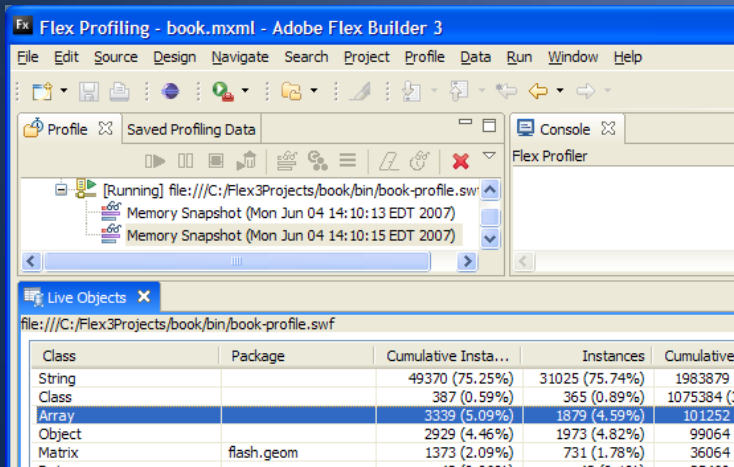


Platform Evolution

- Advanced Developer Tooling

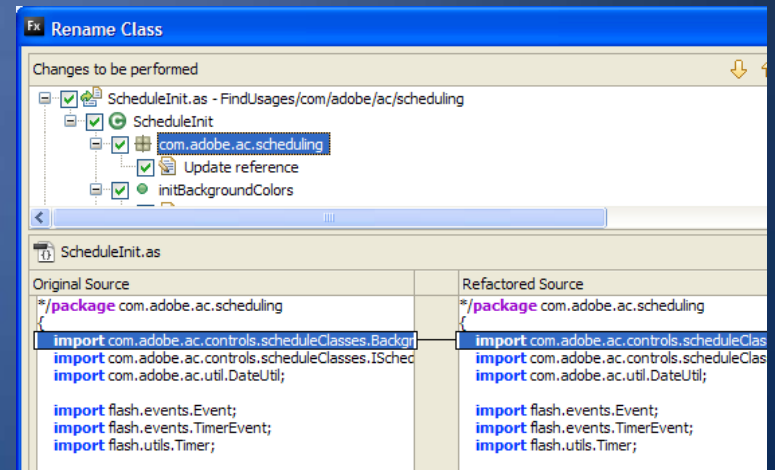
Memory and Performance Profiling

- Use performance snapshots to quickly locate application bottlenecks
- Easily detect memory leaks and excessive object allocations
- Optimize memory usage by monitoring per-function usage



Source Code Refactoring

- Find all references to a class, variable, or function
- Quickly rename variables or methods across projects or workspace
- Preview all changes before committing



Platform Evolution

- Enhanced Browser Integration

JavaScript/Ajax Wrappers



- Easily incorporate Flex components or micro-applications into existing web pages/logic
- Flex Builder wizard generates code to expose any Flex component property as native JavaScript



Deep Linking

- Automatically updates browser URL to represent application state
- Enables users to bookmark particular points in an application or share URLs
- Integrates with existing browser history features in Flex HistoryManager class

Flex 3 Pricing and Packaging (EU)

		Price/Upgrade	Notes
	Adobe® Flex™ 3 SDK	Free	Open Source
	Adobe® Flex™ Builder™ 3 Standard edition	€179/ €69	Standalone or plug-in
	Adobe® Flex™ Builder™ 3 Professional edition	€499/ €219	Adds testing tools, charting, and advanced datagrid. <i>Free for students and faculty.</i>
	BlazeDS – Flex Remoting and Messaging	Free	Open Source – BlazeDS project

Flex 3 Upgrade Paths (EU)

You have

You want

Price



Adobe® Flex™ 2 SDK



Adobe® Flex™ 3 SDK

Free



Adobe® Flex™ Builder™ 2



Adobe® Flex™ Builder™ 3
Standard edition

€69



Adobe® Flex™ Builder™ 2
with Charting



Adobe® Flex™ Builder™ 3
Professional edition

€219



Adobe® Flex™ Builder™ 2



Adobe® Flex™ Builder™ 3
Professional edition

€219

Sprawy organizacyjne

- Thermo (Acrobat Connect Meeting)
 - <http://adobedev.adobe.acrobat.com/p12022133/>
- www.adobe.com/ria
- www.adobe.com/products/flex
- www.adobe.com/products/air
- opensource.adobe.com/blazeds/
- www.flex.org
- www.30onair.com
- adobers.org 😊

Sprawy organizacyjne

- Raffle software od Adobe (co pół roku) o wartości do **\$ 2,100**
- Punktacja
 - **50 pkt.** za obecność na wszystkich spotkaniach
 - **12 pkt.** za zorganizowanie interesującego speakera oraz jego wystąpienie podczas spotkania
 - **10 pkt.** za obecność na spotkaniu
 - **10 pkt.** za poprowadzenie prezentacji
 - **10 pkt.** za przygotowanie prezentacji do umieszczenia na adobers.org
 - **8 pkt.** za przyprowadzenie nowego członka grupy, który chociaż raz weźmie udział w spotkaniu
 - **5 pkt.** za przyniesienie przekąsek / napojów na spotkanie
 - **3 pkt.** za ciekawy wpis (informacja, komentarz) na adobers.org



Piotr Bęben

Adobe Flash Projector - interaktywne prezentacje multimedialne

Wojciech Ptak

Adobe Cairngorm
Flex microarchitecture framework

Losowanie nagród

Zapraszam na kolejne spotkanie

12 kwietnia 2008

godz. 15:00