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Parleys.com
a Web 2.0 / RIA case study

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sja@parleys.com

Speakers Qualifications

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- 13 years of Java
  - Founder and chairman of the Belgian Java User Group (BeJUG) ('97)
  - Founder and CTO of JCS Int. NV ('98)
    - Today CTO of Dolmen JCC
  - Founder and Organizer of JavaPolis and SpringOne ('01)
  - Founder and CTO of Parleys.com NV ('05)
  - Java Champion since '05

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Agenda

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- Parleys.com V1
- Web 2.0 Technologies

- Parleys.com V2
  - How to leverage Java expertise ?
  - How does Flex solve the Web 2.0 Issues ?
  - Flex and Java EE 5 / 6
  - ActionScript / Flex Opportunities

- What's next ?

What is Web 2.0 ?

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A startup that generates more RSS than revenue !

EndGadget

Official Web 2.0 Certifyr beta
What is your website address?
http://www.parleys.com
Your website contains:
(Check all that apply)
Big fonts
Oversized input fields
Silly or misspelled name
"Beta"
AJAX
Community content
"Something"-sharing
Bright colors and/or pink
Rounded corners
Use of Google maps
Founder has a blog
RSS
Tagging
Creative commons
Wiki
Podcast/video/mobile content
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COMPLIANT

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Official score: 88%

Add this button to your page. Copy and paste this code into your site:

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<a
href=http://www.certifyr.com/compliance.cfm?website=http://www.parleys.com&checksum=14&
border=0 src="http://www.certifyr.com/web20button.gif"></a>
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What is Parleys.com ?

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- A NextGen web 2.0 eLearning site
  - Holds audio/video talks from JavaPolis, SpringOne, Jazoon, EclipseCon and JavaZone
  - Visitors can vote for their favorite presentations
- Uses web 2.0 features with a lightweight Java EE back end

PARLEYS.com

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JAX-WS, beyond the basics

by Stijn Van den Enden (Play time:59:38)

Posted on Jan 27, 2008 17:10

Java API for XML Web Services (JAX-WS) 2.1 takes web services support in the Java platform to the next level. JAX-WS expands support for web services development in Java EE 5 and Java SE significantly. By aligning ... (More)

Tags: bejug07 , soa , jaxws , javaee

183 views Discuss 2 votes (5.00/5)

Next-Generation Grid Enabled SOA

by Dave Chappell (Play time:49:09)

Posted on Jan 24, 2008 09:08

Today's SOA practitioners find their greatest architecture challenges addressing reliability and scalability for composite applications and processing large payloads. This session presents a breakthrough design for SOAs that deliver continuous availability and linear scalability for services and applications. With new approaches that include ... (More)

Tags: bejug07 , soa

836 views Discuss 72 votes (3.01/5)

Interview with Bob Lee at JavaPolis'07

by Carl Quinn from Javaposse.com (Play time: 30:27)

Posted on Jan 21, 2008 06:54

Put simply, Guice alleviates the need for factories and the use of new in your Java code. Think of Guice's @Inject as the new new. You will still need to write factories in some cases, but your code will not depend directly on them. Your code ... (More)

Tags: javapolis07 , javase

1,812 views Discuss 111 votes (3.23/5)

News

» Jan. 16th - V2 Beta Release
» Jan. 11th - 400.000 votes!
» Dec. 15th - Parleys Next Gen
» Nov. 19th - Advertisement
» Nov. 4th - View counter added
» Oct. 23th - 200.000 votes

Highest Votes

» JAX-WS, beyond the basics (5.00/5)
» REST - The Better Web Services Model (3.49/5)
» A little REST and Relaxation (3.26/5)
» Interview with Martin Odersky at JavaPolis'07 (3.25/5)
» Interview with Bob Lee at JavaPolis'07 (3.23/5)
» Parleys.com V2 BETA Program (3.20/5)
» Flow of Change (3.11/5)
» Unitils - making unit testing easy (3.10/5)
» Inside the Agility Cube (Part 2) (3.09/5)
» Eclipse RCP Tips and Tricks

Parleys.com Server Side Architecture

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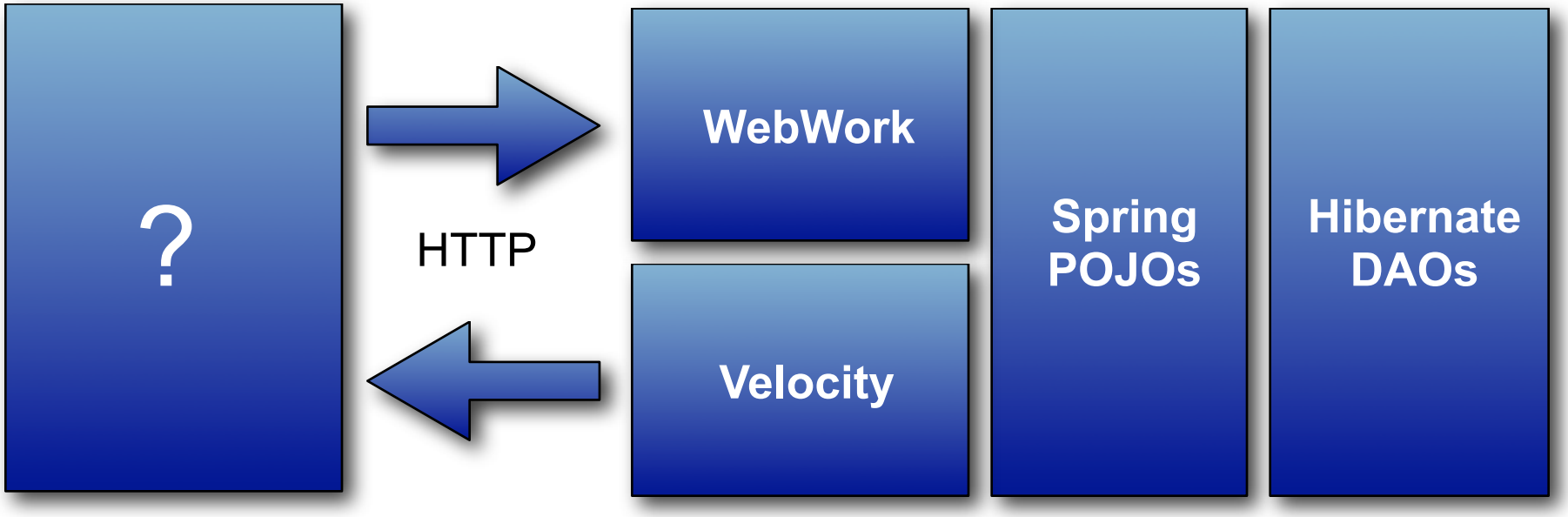

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Web 2.0 Technologies

Lets get some AJAX...

Classifying AJAX Frameworks

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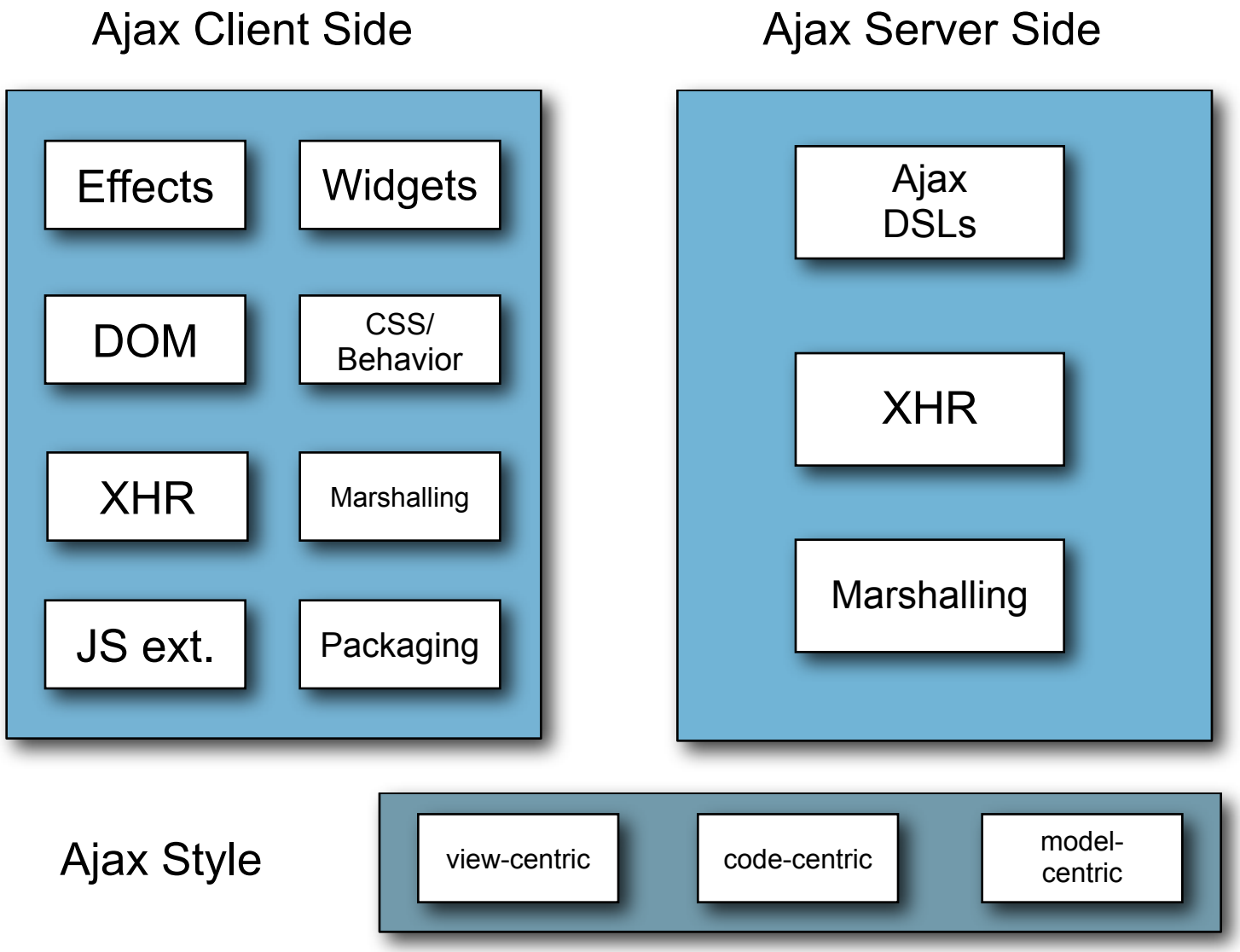

DOJO

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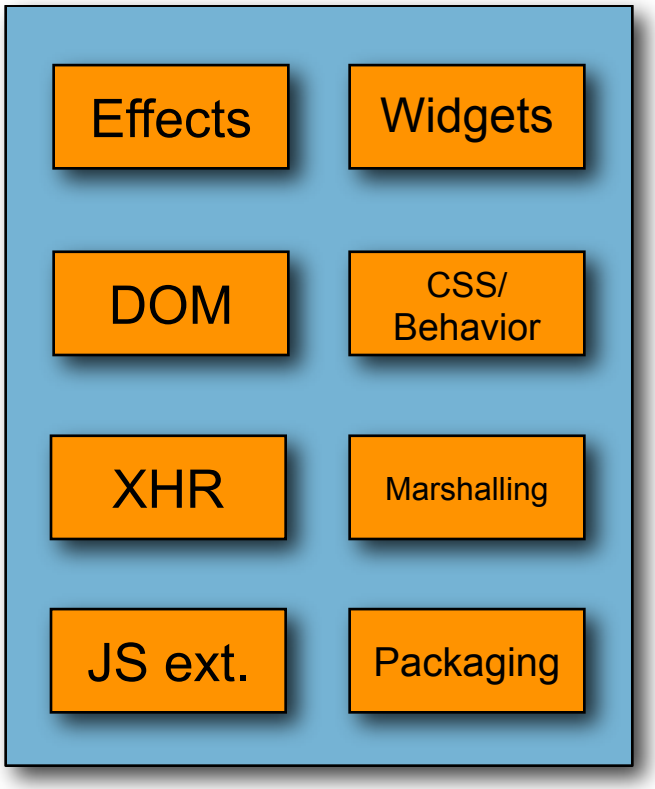
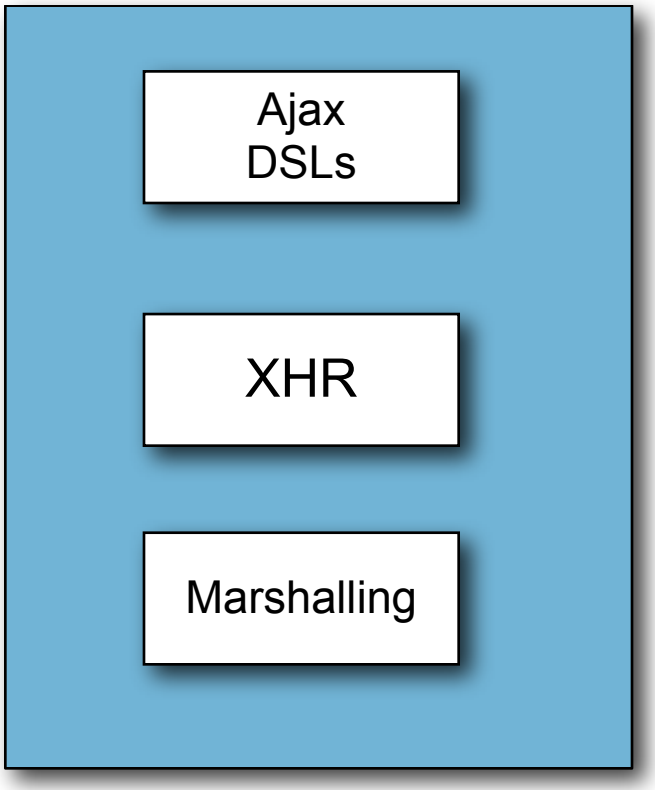
Ajax Client Side



Ajax Server Side



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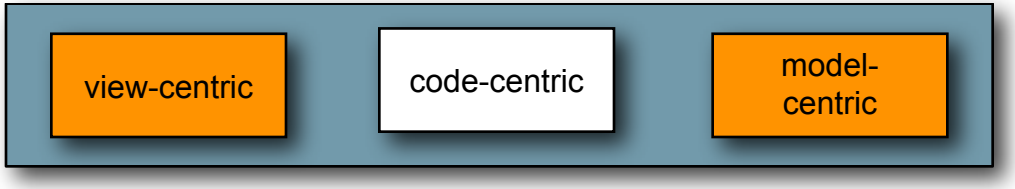

Prototype

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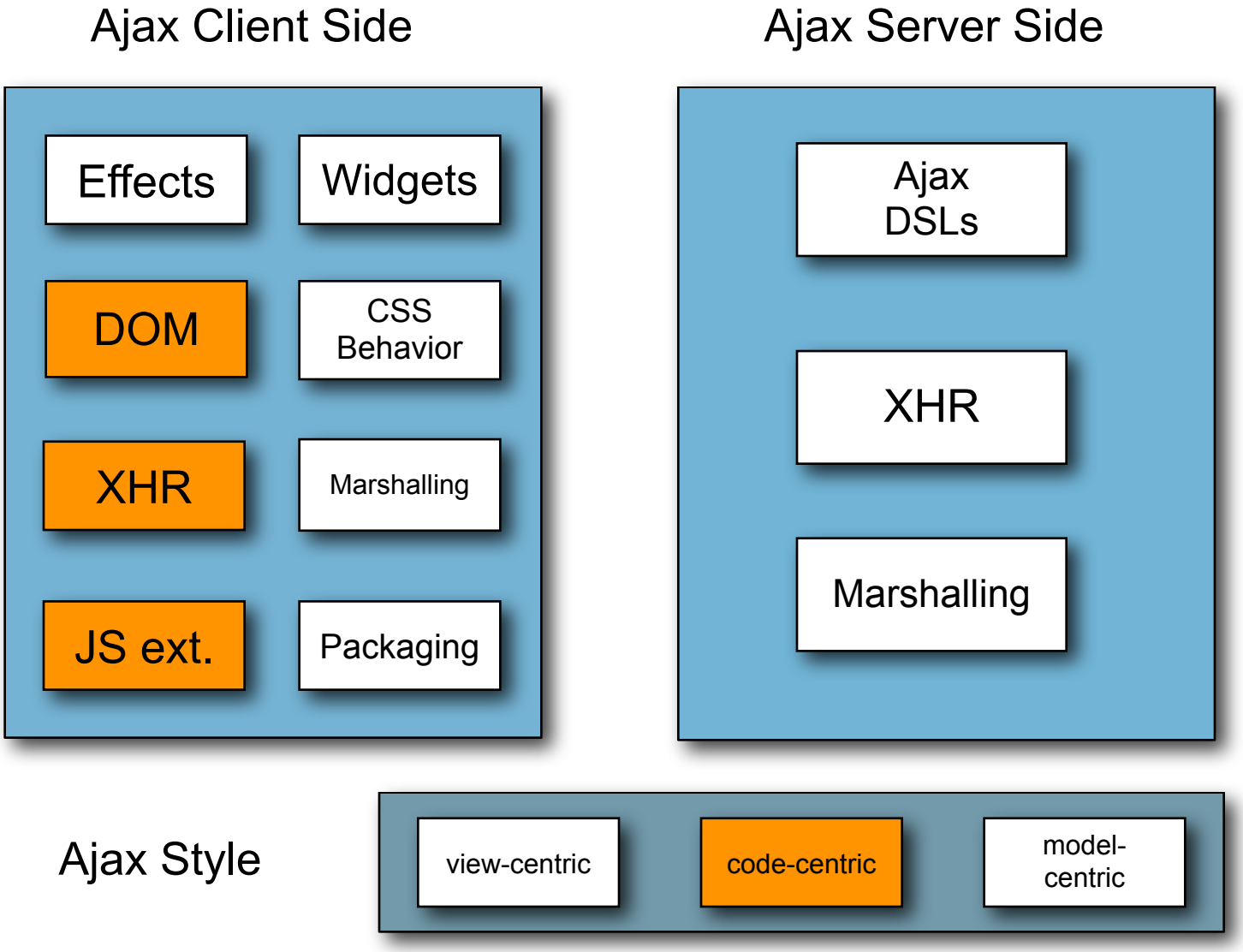

Script.aculo.us

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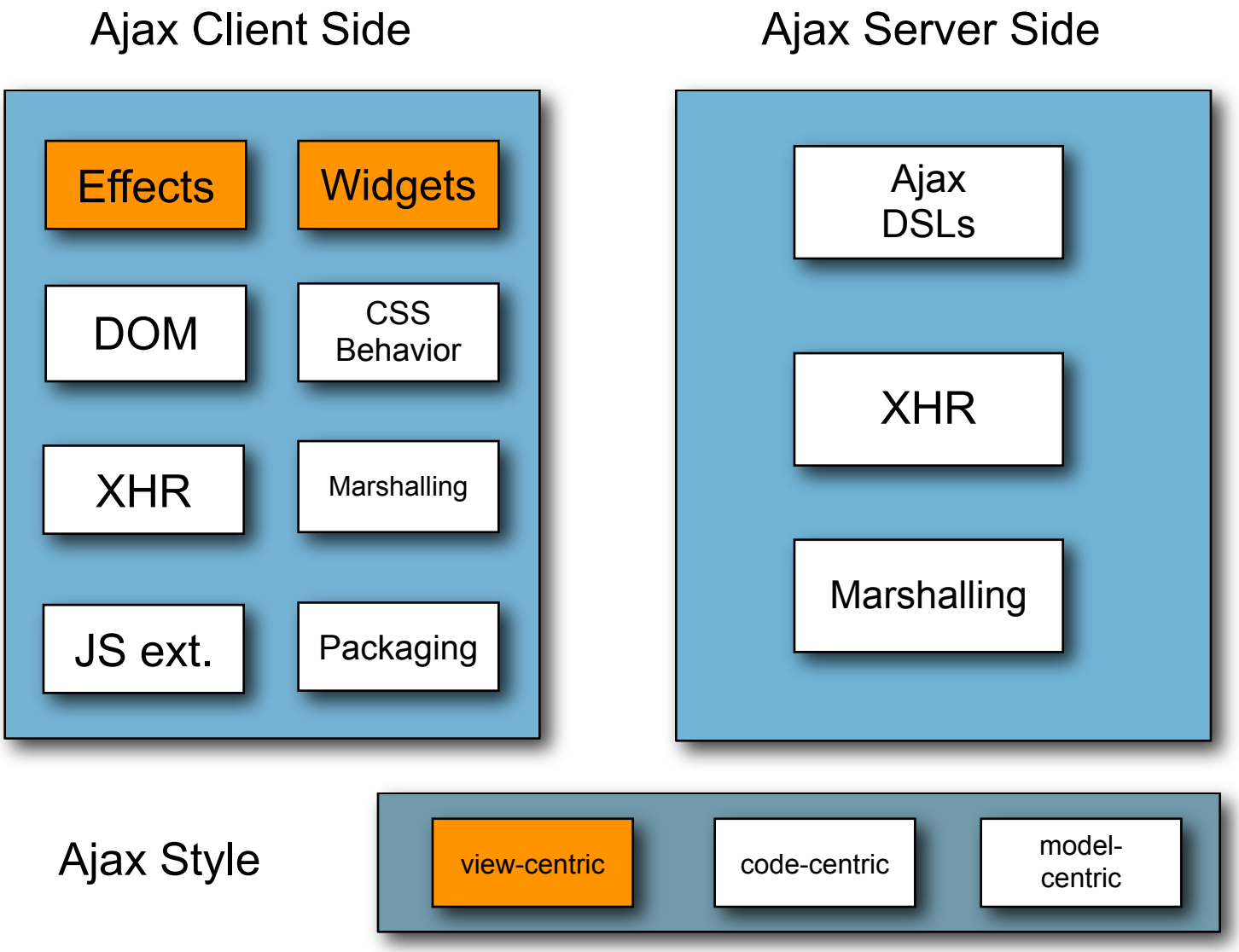

Prototype + Script.aculo.us

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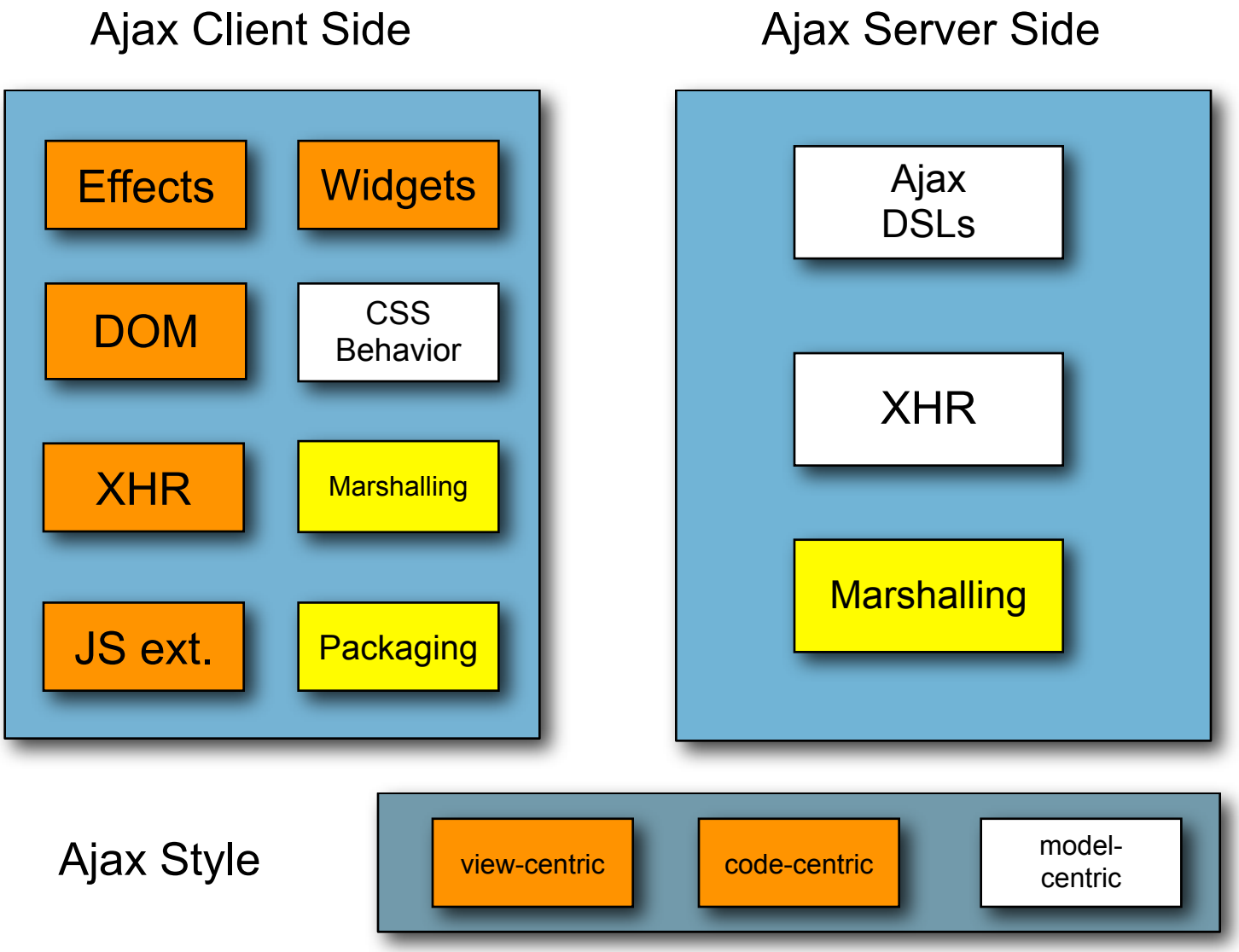

JSON

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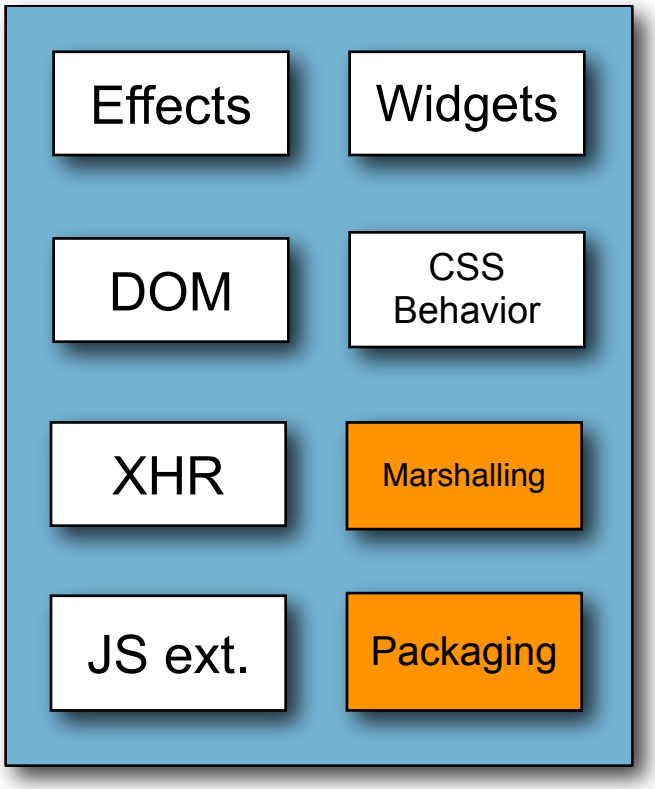
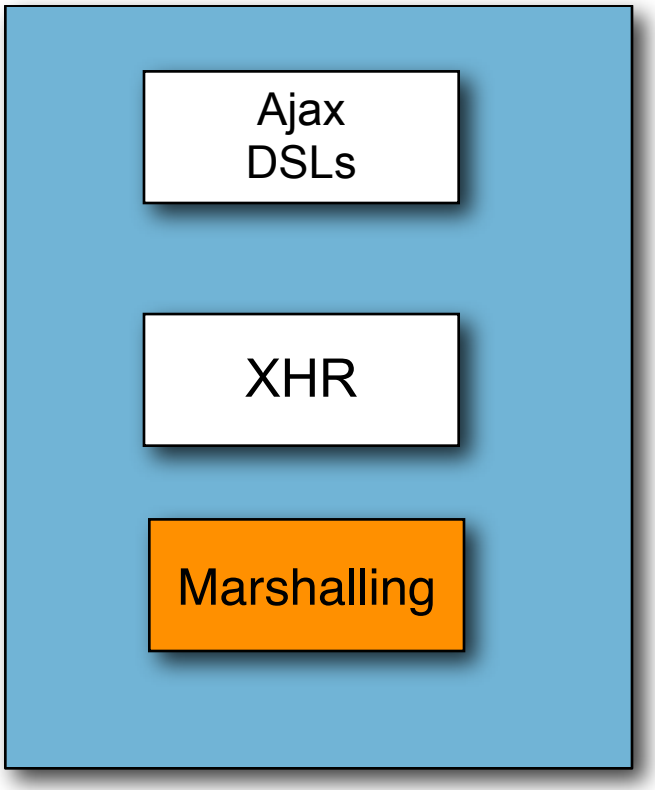
Ajax Client Side



Ajax Server Side



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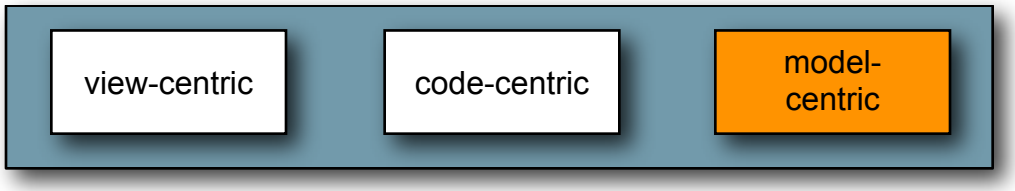

Prototype + Script.aculo.us + JSON

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Ajax Client Side

Effects
Widgets
DOM
CSS Behavior
XHR
Marshalling
JS ext.
Packaging

Ajax Server Side

Ajax DSLs
XHR
Marshalling

Ajax Style

view-centric
code-centric
model-centric

The Issue's - 1

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- No standardization of the XMLHttpRequest yet
  - Future version of IE (v8) will address this
- No support of XMLHttpRequest in old browsers
  - IFrame will help
  - Testing on different browsers and Operating Systems
- Back button challenge and history support
- Security (validation!)

The Issue's - 2

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- JavaScript technology dependency & incompatibility
  - Must be enabled for applications to function
  - Browser incompatibilities (+ CSS)
- The many JavaScript files
  - First externalize JS and then compress to one file!
- No Rich Media support
  - The JavaScript Canvas object however looks promising...

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Next Generation Parleys.com

version 2.0

What is missing ?

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- Full screen experience
  - A Java applet ?
  - Flash ?
- Off-line viewing of the talks
  - Google gears ?
  - Standalone Application (Swing or AIR) ?
- I want people to submit rich content
- I want higher interaction with the UI environment
  - Air, Swing or JavaFX Application ?

My RIA Options ?

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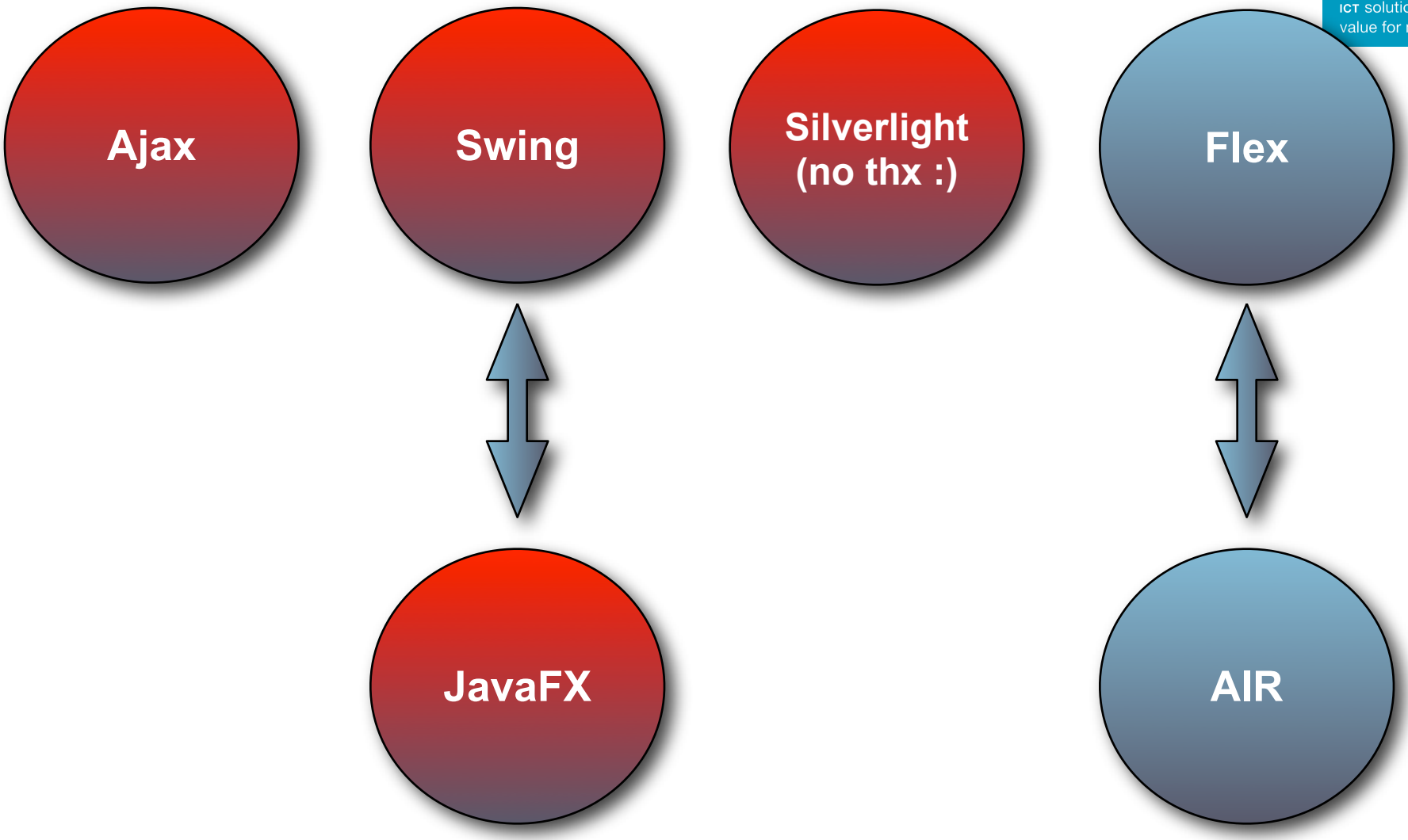

Why Flex ?

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- Has an offline (AIR) and online (Flex) strategy
- Works great with Java (EE) back end
- Supports HTTP Rest calls using JSON/XML for binding
- Video and Audio support is the best out there !!
- Uses Eclipse plugin (Flex builder) for development

My issues with Flex

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- How can I leverage the Java expertise ?
- Can I test my ActionScript code ?
- Can I resolve my web 2.0 / AJAX issues ?
  - Back button
  - Bookmarking
  - Cross browser support
  - ...

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Leveraging Java Expertise in Flex

Leveraging Java Expertise

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- We know our Java (EE) design patterns
  - Business Delegate
  - Value / Transferable Objects
  - Front Controller
  - Command Pattern
  - Service Locator
  - Data Access Objects (DAO)
  - ORM (Hibernate -> JPA)
- So lets use Cairngorm
  - Introduces known (Java) design patterns in Flex

Cairngorm

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- Cairngorm is a lightweight framework for RIA development
- Is based on existing enterprise software design patterns from Java
- Follows the Model View Controller (MVC) design
- Introduces separation of concerns within your development team

Flex Opportunities - 1

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- Annotations support within ActionScript
  - ActionScript metadata might do the trick
  - Have a lightweight JPA implementation in ActionScript :)
- Aspect Oriented Development (AOP)
  - Around Advice (Interceptors) techniques for further modularization
- Inversion of Control (IoC) support
  - Also know as Dependency Injection...
  - Exists more or less using Bindable and MXML :)

Test Driven Development

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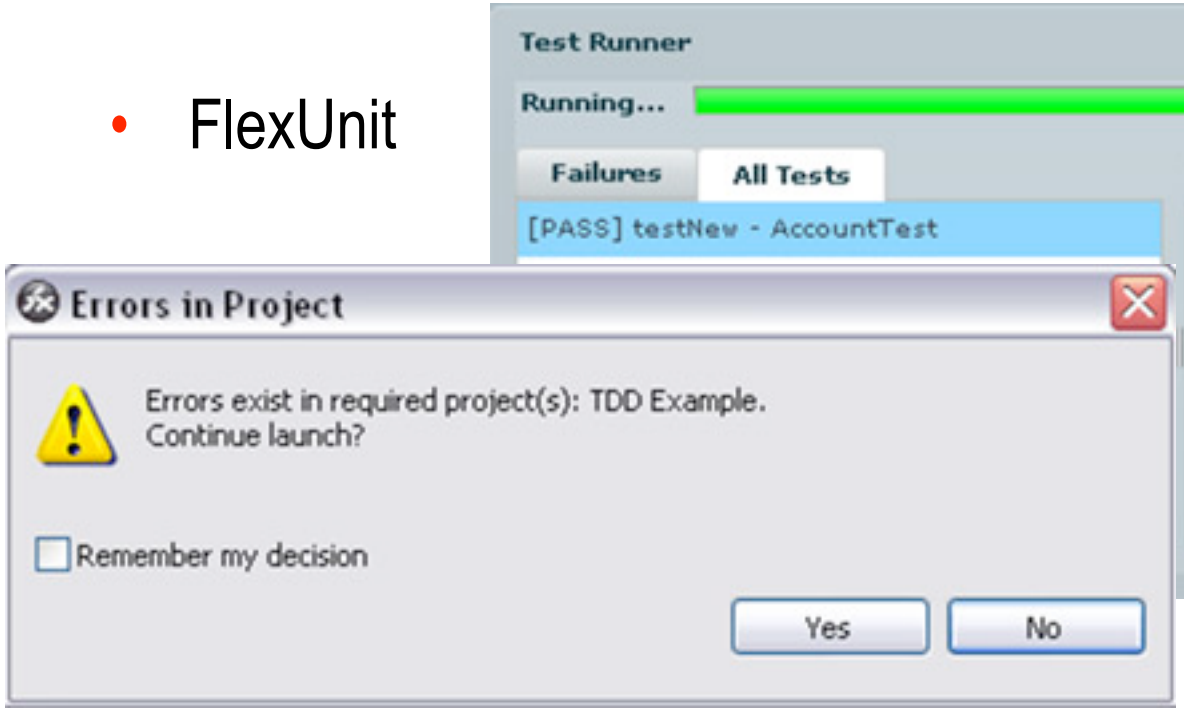
- ActionScript Unit tests can be developed
  - AS2Unit
    - a free Unit Testing Framework for ActionScript 2
  - FlexUnit



Flex Opportunities - 2

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- How can Google index my content ?
  - Some blogs are starting to discuss this...
- What about functional testing Flex apps like Selenium
  - First initiatives are appearing FunFX (v0.0.1), Mercury QuickTest, Borland (formerly Segue), ...
- What about ActionScript code audit like FindBugs, CheckStyle, ...
  - Do we have AST parsers, maybe when Flex is open-sourced...
- Bundling of ActionScript modules using OSGi ?

Parleys.com Beta | Overview

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- Parleys.com V2 BETA Program (48)
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- The Closures Controversy (28)
- Comparing Java Web Frameworks (26)
- Spring and Eclipse RCP (25)
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*Download and install Parleys Desktop to download the talks on your local disk.

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Interview with Bob Le...

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SOA methodolology

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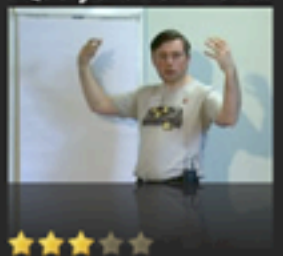

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Interview with Ben an...

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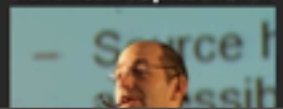
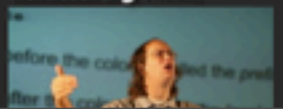


Spring Batch

Refactoring HTML



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What's next ?

Architecture-wise

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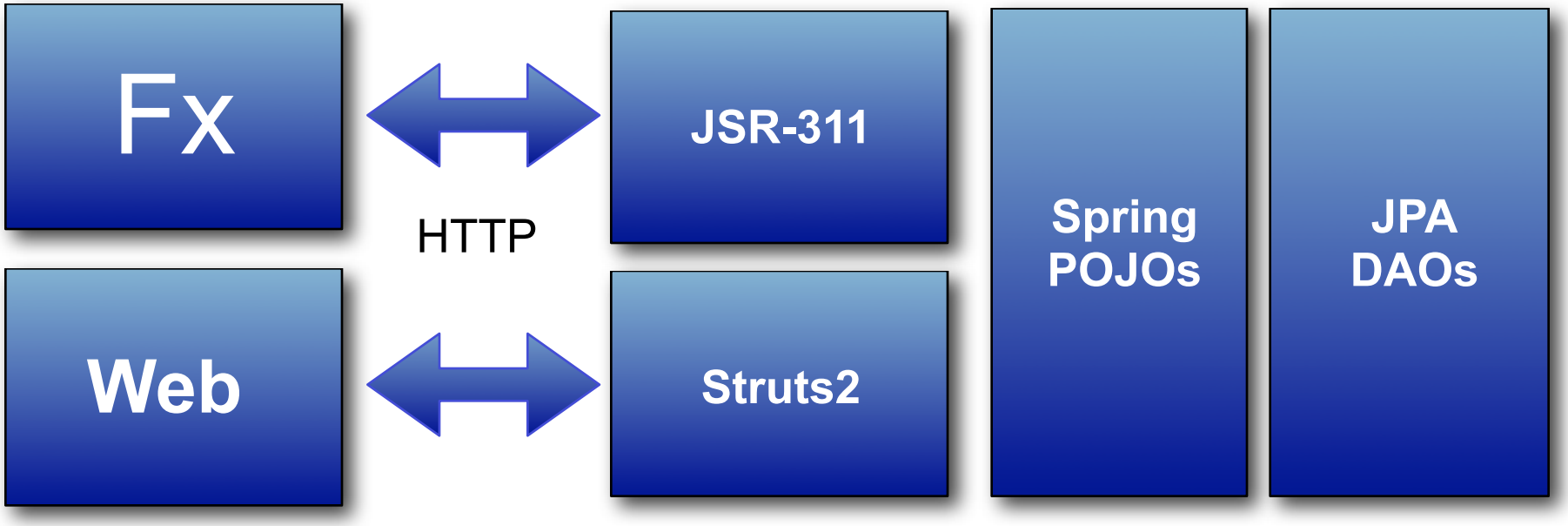

Architecture-wise

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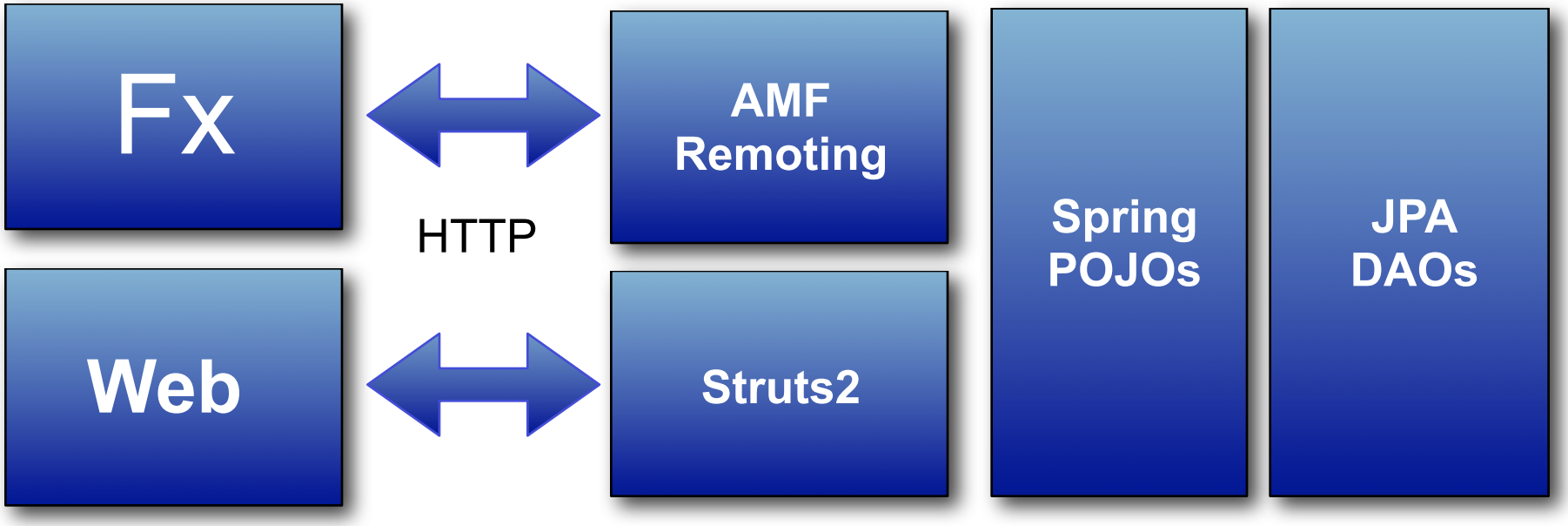

Parleys.com BETA

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- Closures for Java (14,075)
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- Filthy Rich Clients (10,642)
- JSR-277 Java Module System (10,138
- Spring OSGi (9,072)
- REST - The Better Web Services Mode
- Real world web services with JAX-WS
- Professional Open Source (6,948)
- Eclipse RCP Tips and Tricks (6,599)
- Spring2 and Java EE 5 (6,585)

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by Stijn Van den Enden (Play time:59:38) Jan 27, 2008 17:10

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Tags: **javapolis07** **javase**

Spring and Eclipse RCP
by Martin Lippert (Play time: 47:15) Jan 18, 2008 13:29

Eclipse as a Rich Client Platform is increasingly mainstream. Organizations from NASA to IBM to major banks and airlines have adopted RCP as a core platform for building their applications. In this talk we look at various current RCP usecases and examples and discuss the synergies ...

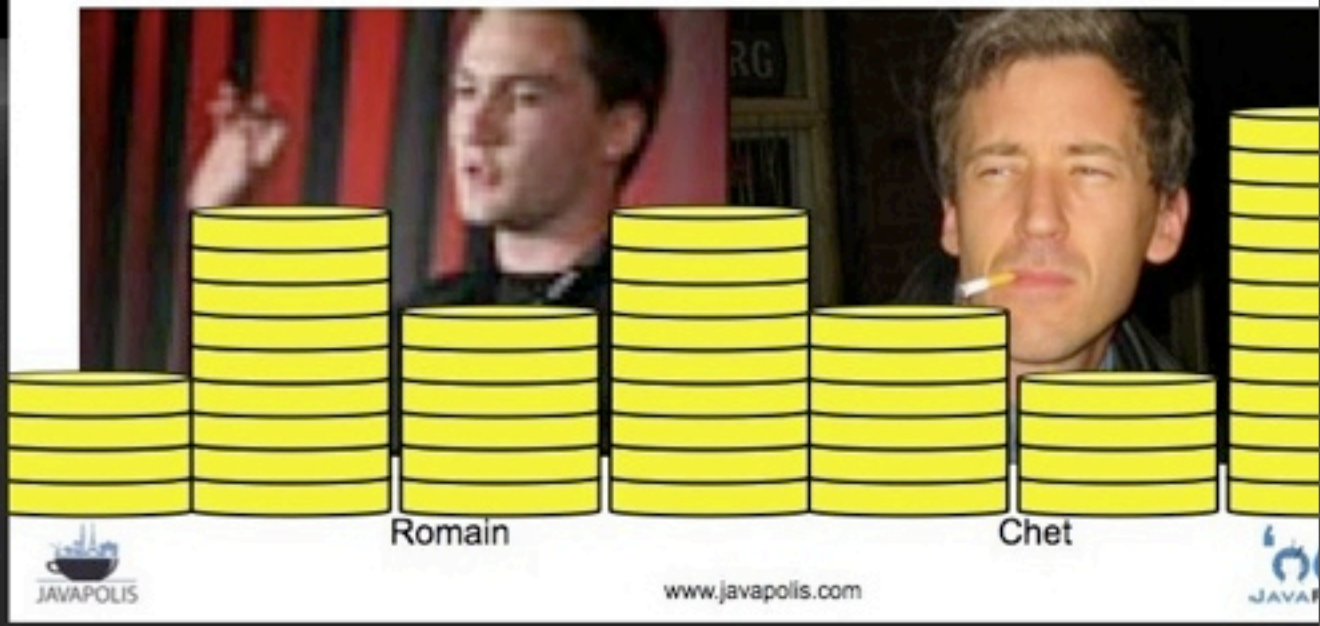
Tags: **springone07** **spring**

Agenda (65)

- 1. Intro
- 2. Speaker's qualifications
- 3. The Big Question - 1
- 4. The Big Question - 2
- 5. The Big Question - 3
- 6. The Big Question - 4
- **7. The Big Question - 5**
- 8. No, no, no
- 9. Presentation Goal
- 10. Agenda
- 11. Agenda - Graphics
- 12. Graphics
- 13. GlassPane: Not just a pane in the glass
- 14. GlassPane: example
- 15. Gradients - 1

The Big Question

What do we mean by "filthy rich clients"?



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