



# Devoxx 2008 in a breeze



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IIT-CNR  
16 dicembre 2008



# Devoxx

Devoxx = Java Community Conference  
3200(+2) partecipanti da 35 nazioni

Belgio – Antwerpen (Anversa)  
8 – 12 dicembre 2008

University (8-9) + Conference (10-12)

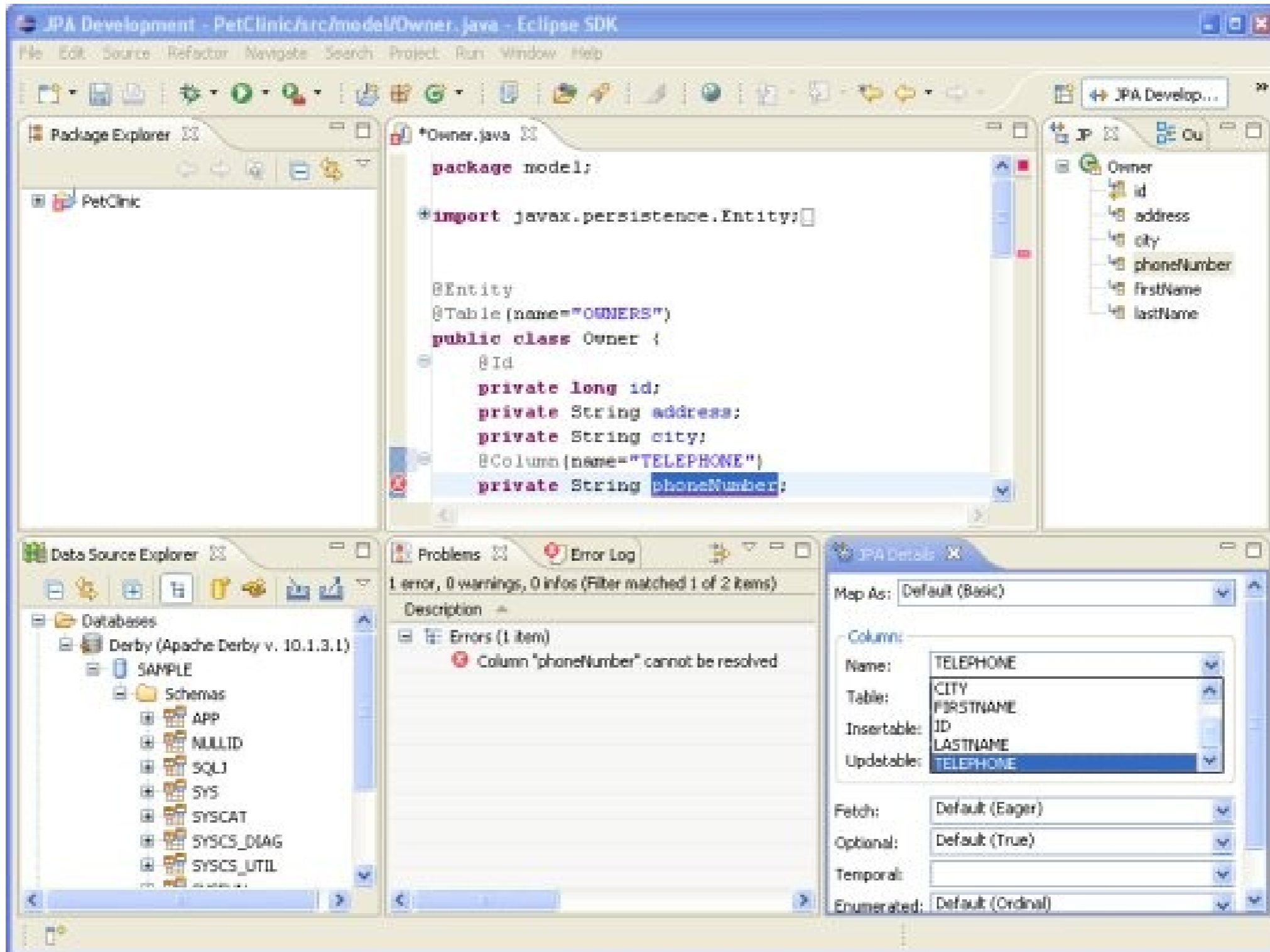
# University – giorno 1

- **Introduzione al JPA (1.5h)**
- JBoss Tools (1.5h)
- Servlet 3.0 e JSF 2.0 (3h)
- Java Power Tools (3h)
- A successful search, a happy user: make it happen! (30min)
- VisualVM - new extensible monitoring platform (30min)
- 10 reasons why Java EE development doesn't have to be painful (30min)

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# JBoss tools



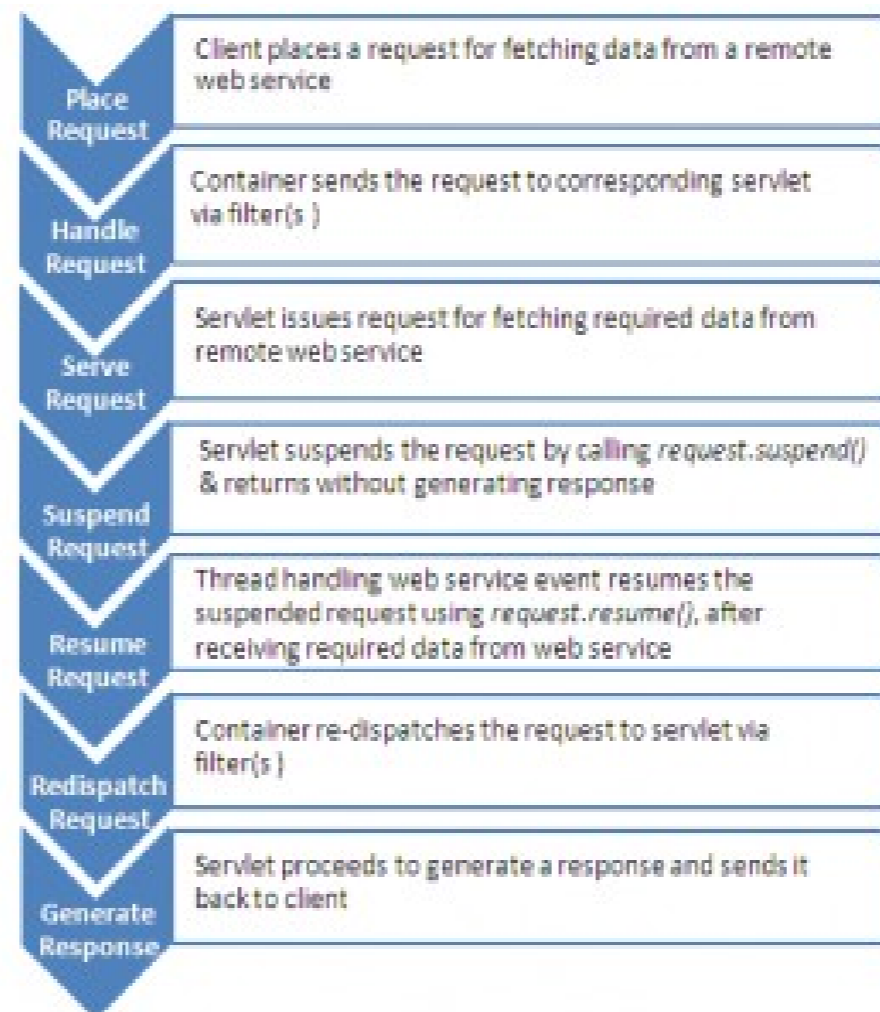
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# Servlet 3.0

- Notazioni vs Deployment descriptor
- `@Servlet(urlMappings={"/MyApp"})`, `@GET`, ...
- `web-fragment.xml` dentro i jar
- Support Asincrono





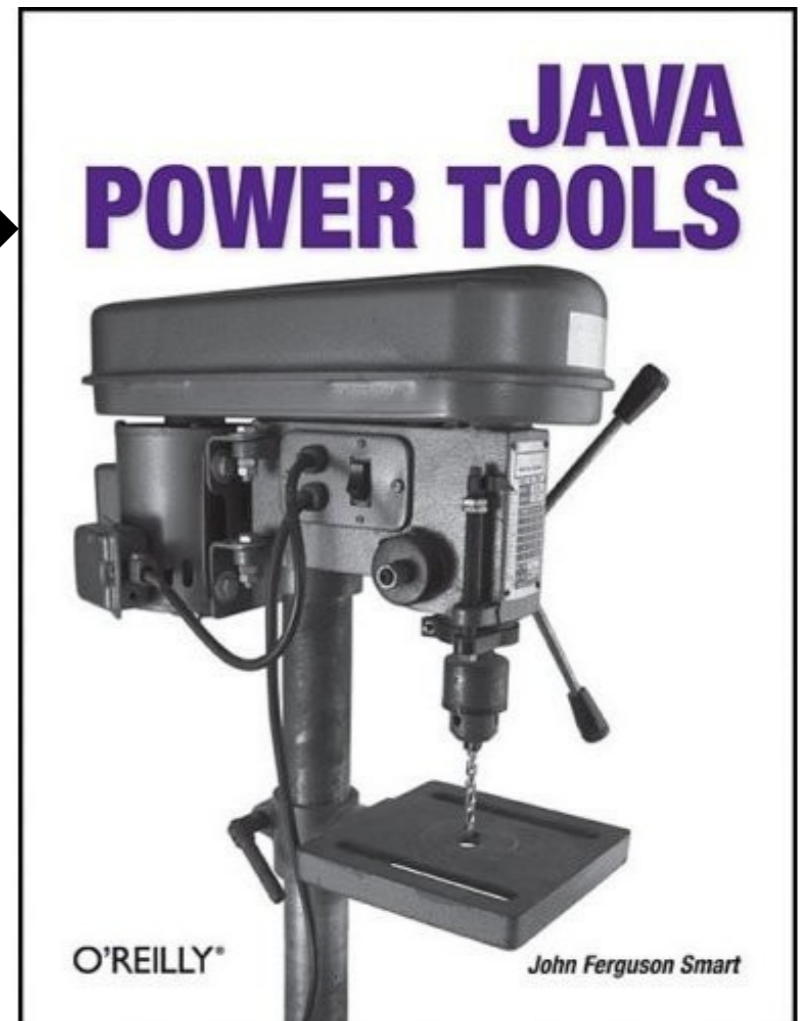
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# Java Power Tools

- Continuous Integration
- Subversion
- Ant, Ivy, Maven
- Hudson, Bamboo
- build/test/deploy
- Test: TestNg, test parametrizzati  
JUnit4, EasyB, Harvest assertion
- CheckStyle, Cobertura, Findbugs

automatizzare il  
più possibile!



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# BOF – giorno 1

- Scaling hibernate tips: recipes and new perspectives (1h)
  - sharding, Lucene...
- Tune this! (1h)
  - Kirk il Java champion...

# University & Bof- giorno 2

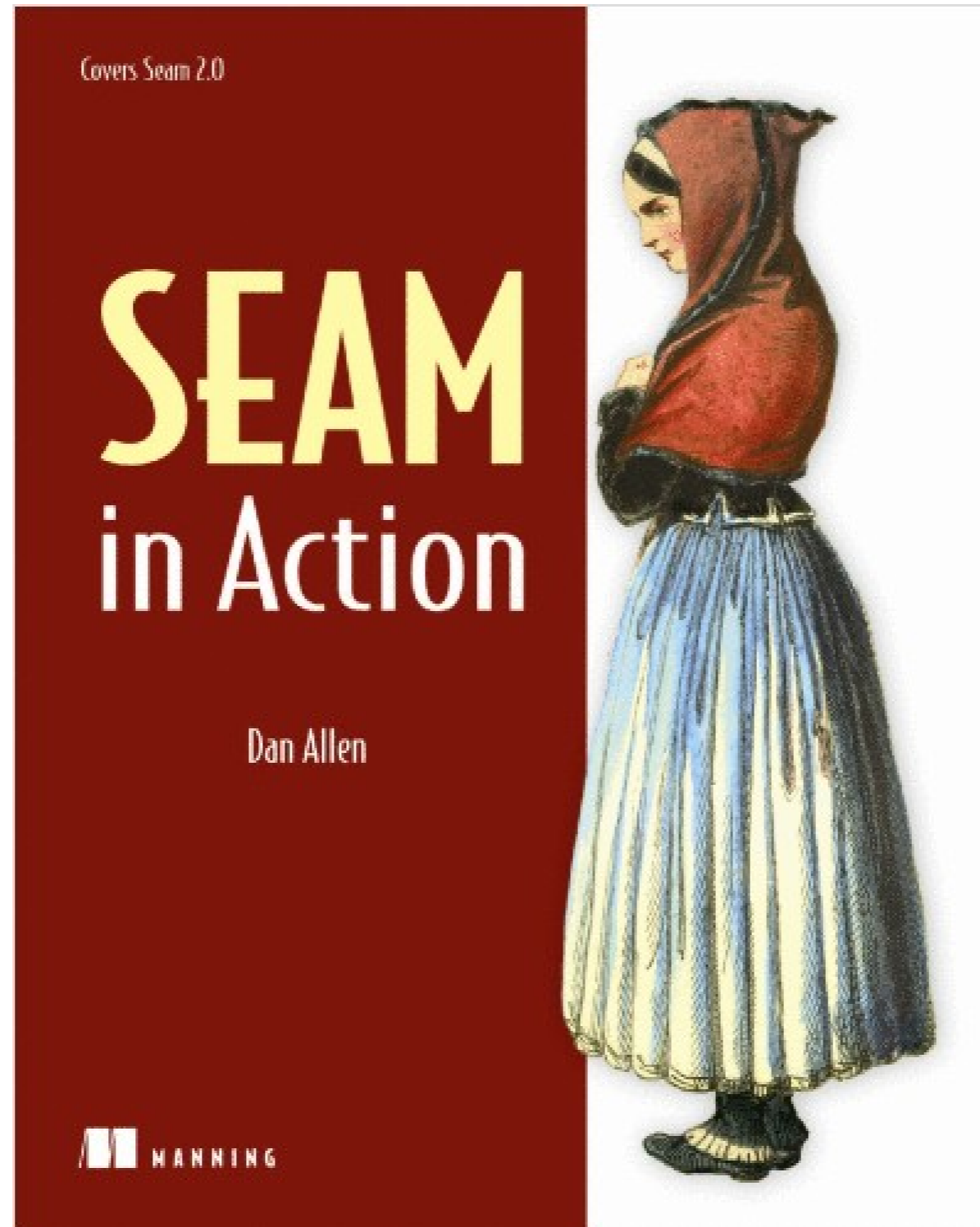
- **Comet: never more! (3h)**
- Seam in action (3h)
- ActiveMQ and ServiceMix (3h)
- Creating performance test data with the Benerator (30min)
- Resting Easy with Grails (30min)
  
- JBoss AS 5 (BOF - 1h)



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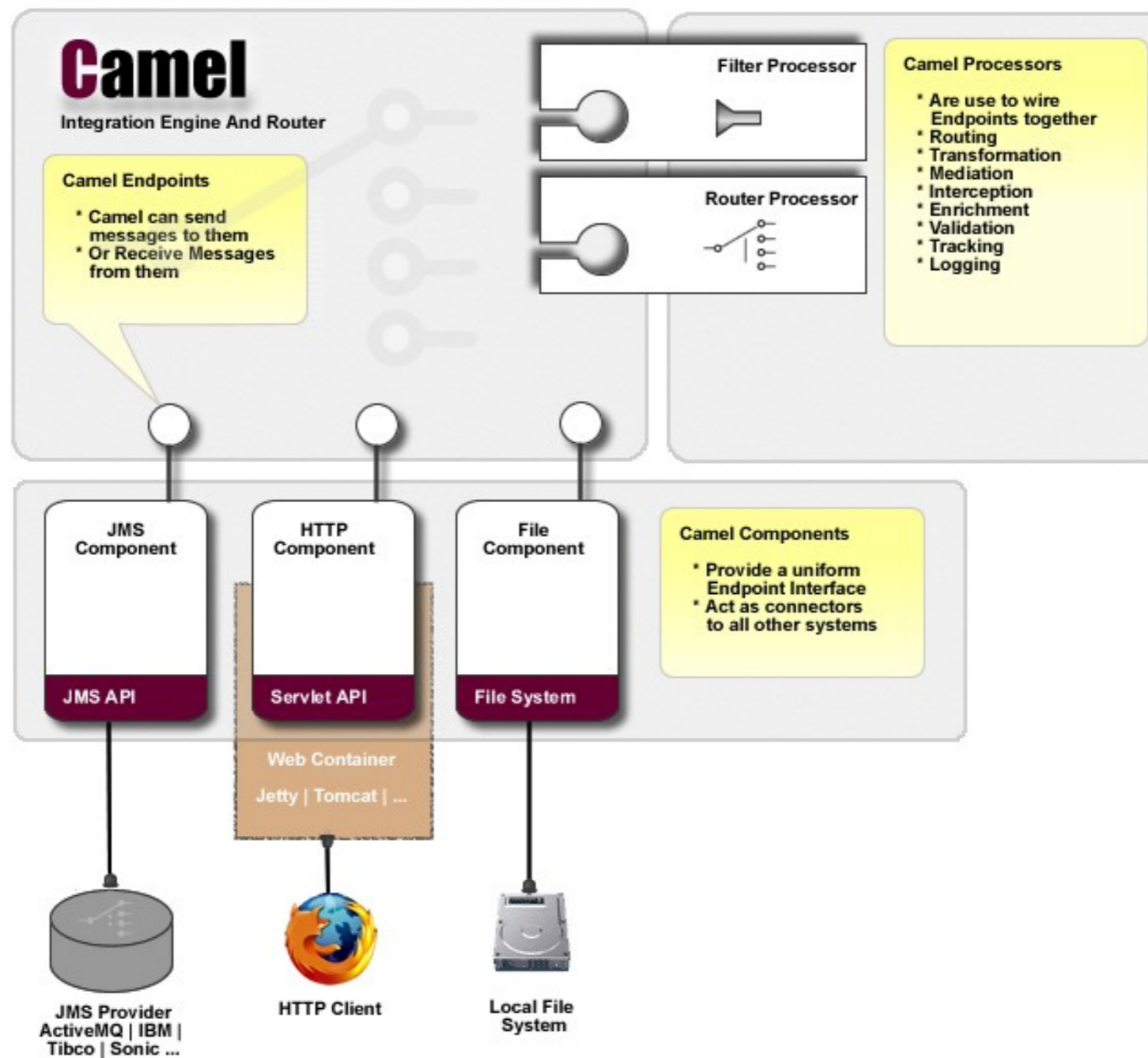
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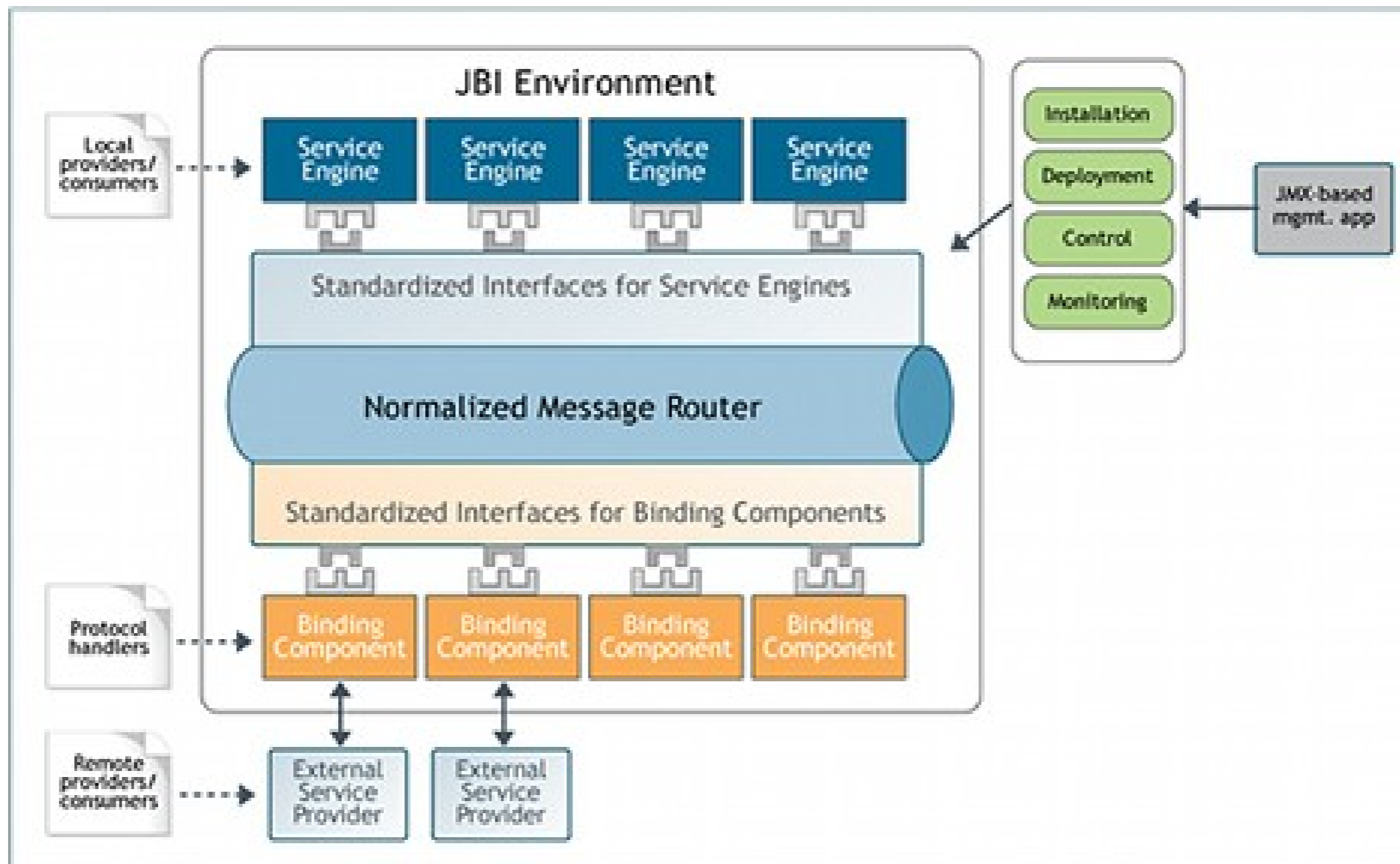
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# Apache Camel



# Apache ServiceMix



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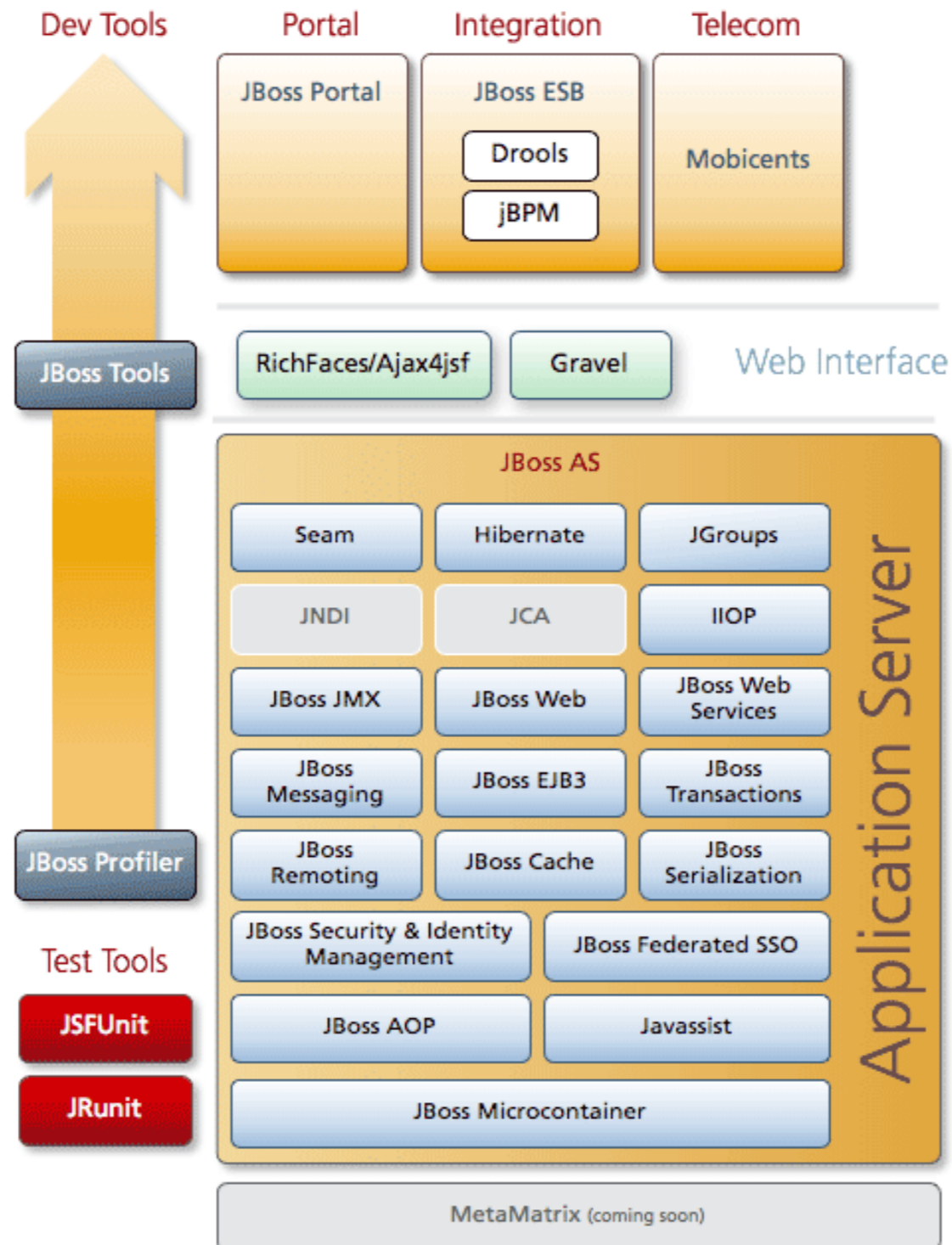
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# JBoss AS 5 (5.0.0.GA)



# Conference – giorno 3

- Keynote
- **JavaFX: The Platform for Rich Internet Applications by (Sun Microsystems) and Co. (1h)**
- Java and RFID by IBM (1h)
- Hippo CMS 7 sneak preview (1h)
- Introduction to the SpringSource DM Server (1h)
- What's new and exciting in JPA 2.0 (1h)
- What's new in SpringFramework 3.0 (1h)
- Introductions to Web Beans (1h)

# JavaFx – live demo

- <http://java.sun.com/javafx/>

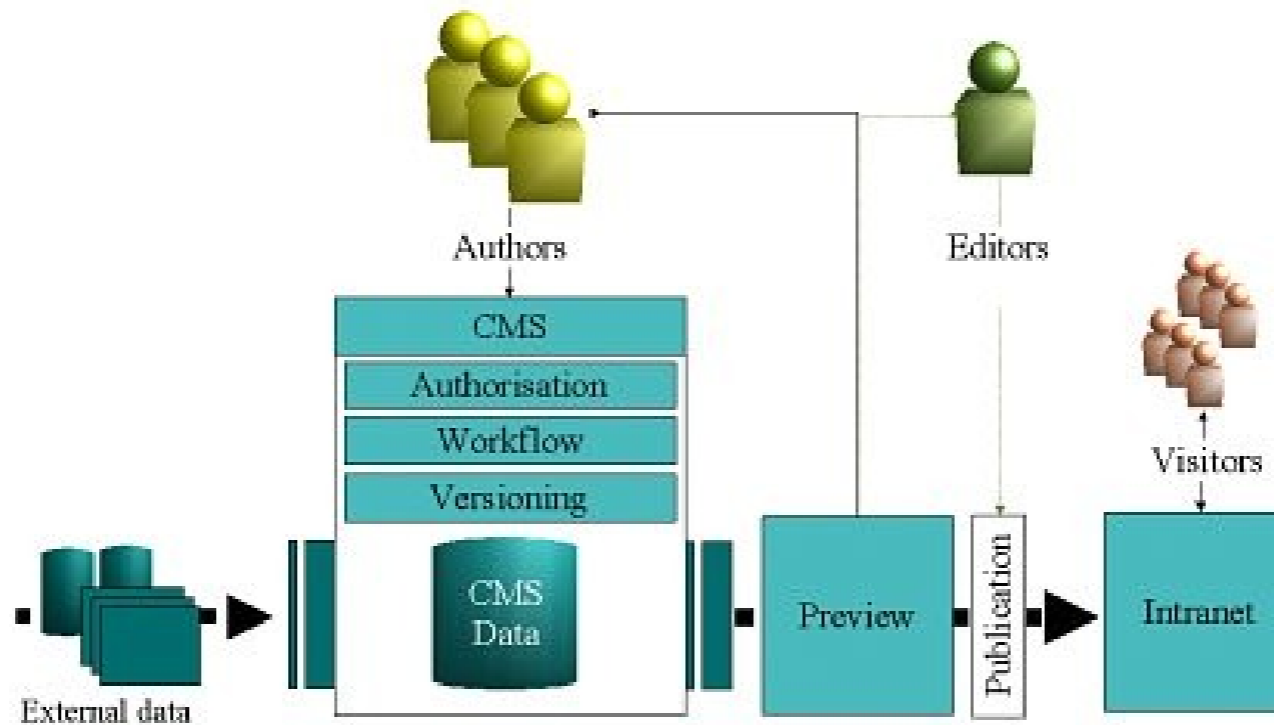
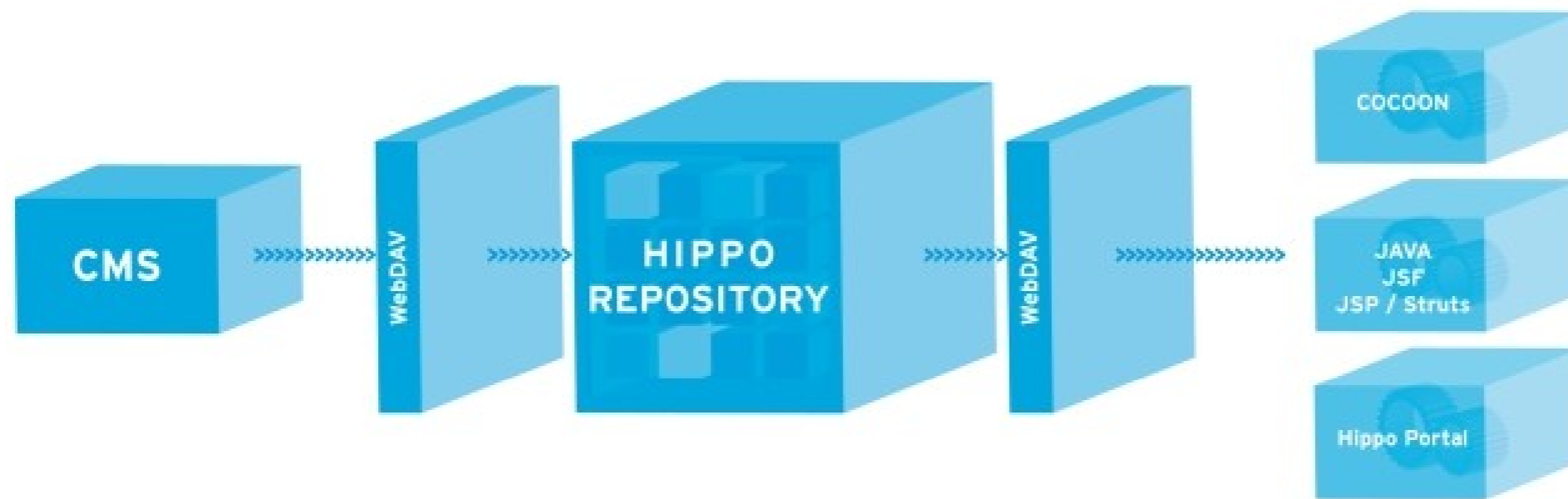
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# Hippo CMS 7

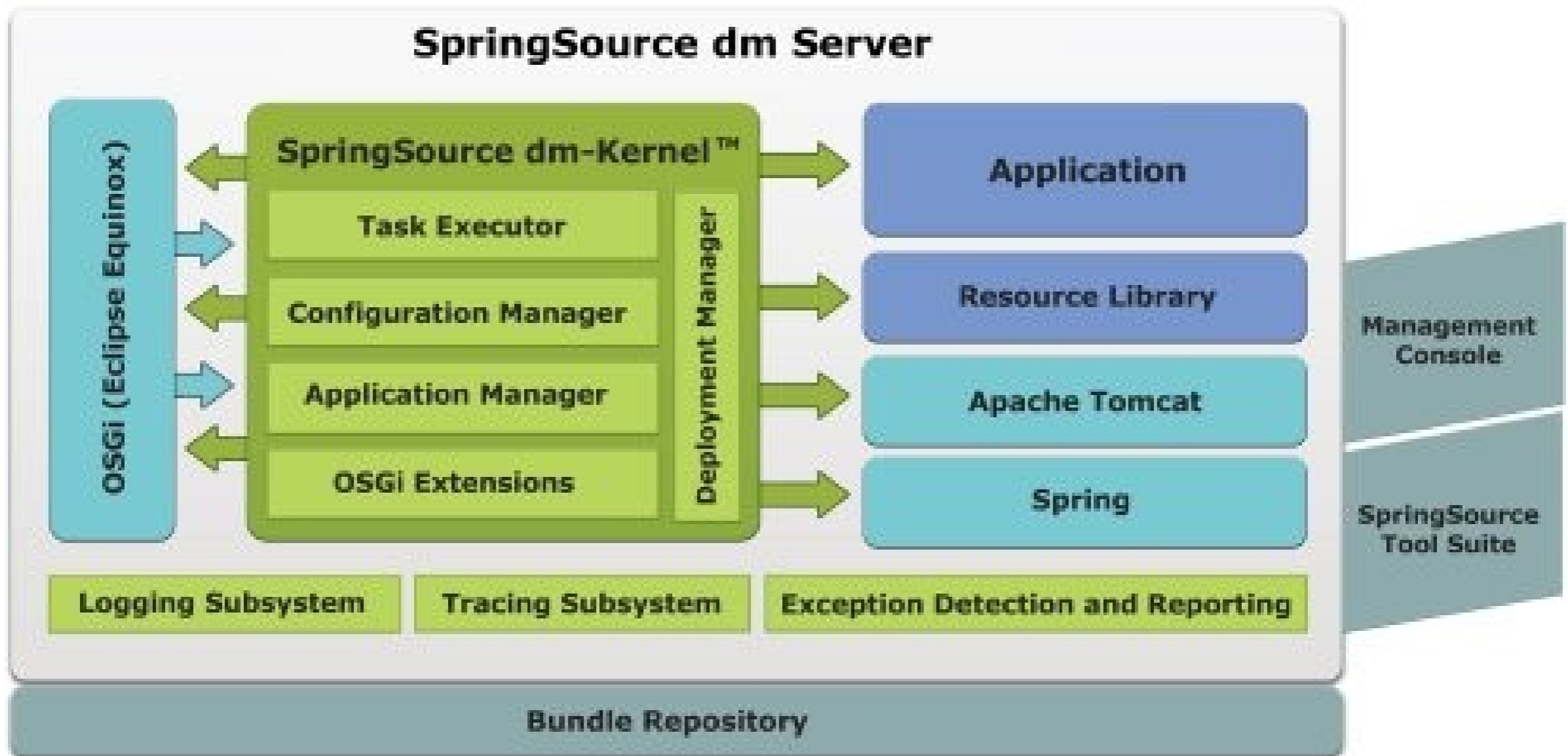




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# SpringSource DM Server



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# JPA 2.0

- Expanded object/relational mapping functionality, including greater flexibility in combining existing mapping options, support for collections of embedded objects, multiple levels of embedded objects, etc
- Additions to the Java Persistence query language
- An API for "criteria" queries
- Standardization of sets of "hints" for query configuration and for entity manager configuration
- Expanded pluggability contracts to support efficient passivation and replication of extended persistence contexts in Java EE environments
- Standardization of additional contracts for entity detachment and merge, and persistence context management
- Support for validation

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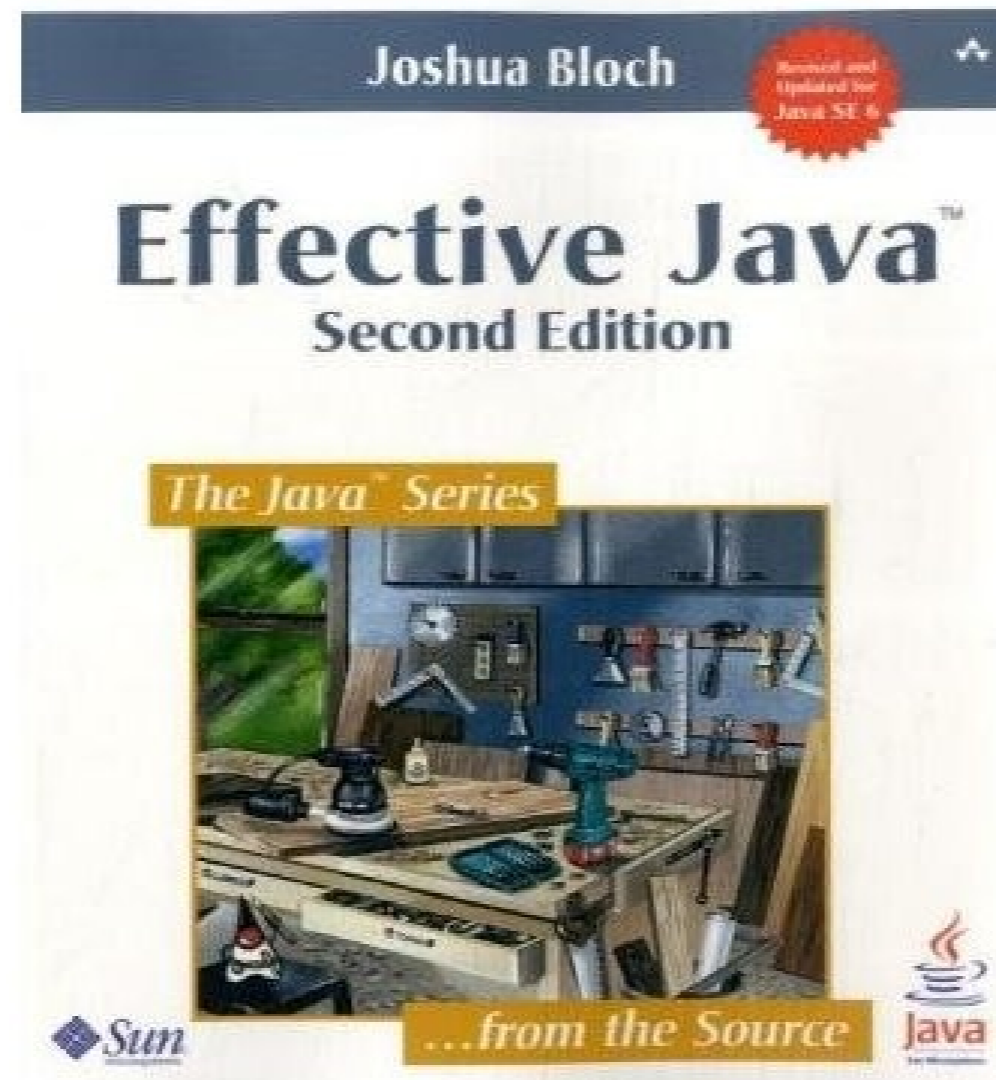
- Seam, Web Beans and JBoss Tools (1h)



# Conference – giorno 4

- Keynote
- **Effective Java Reloaded by Joshua Bloch (1h)**
- The Modular Java Platform by Mark Reinhold - JDK 7 (1h)
- Be Smart! by Ivar Jacobson (1h)
- Introduction to NIO.2 (1h)
- The JBoss SOA Platform - An Overview and Methodology (1h)
- JEE6 Overview by Roberto Chinnici (1h)
- Hibernate Performance Tuning (1h)

# Effective Java Reloaded



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# Jdk 7 changes

RANK these from 1 to 8 — to vote against give reason on board behind or place an X in the column

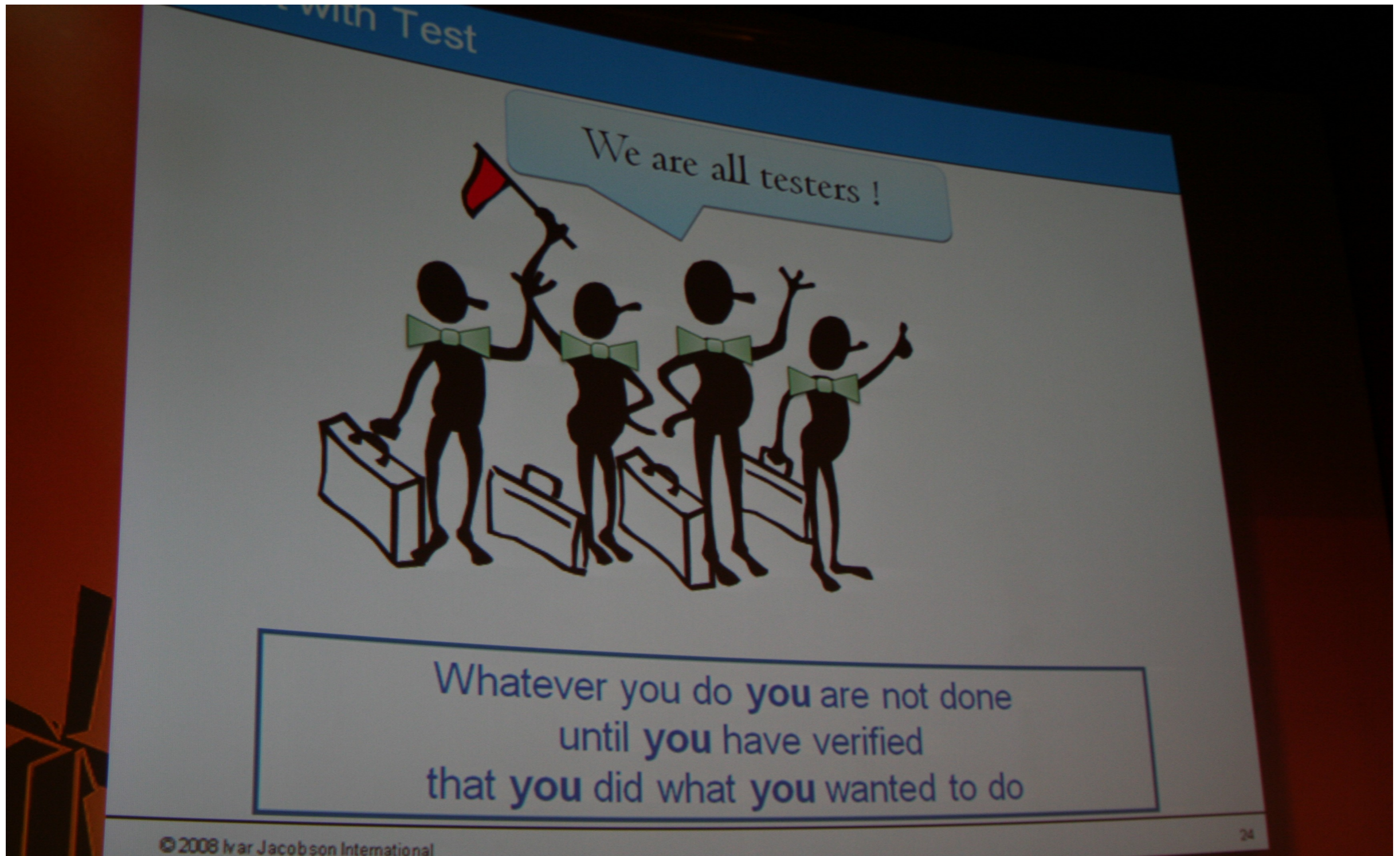
Properties person.getSurname() → person.surname		Multi catch of exceptions 3 catch (IOException, SQLException)		Null handling from Groovy a?.b?.c   a=a?.c		List/map code/get list[0], map[key] Map m=[a:6, b:7]		Extension methods String s = ... s.foo(); where foo(String) is private helper method (import static C.foo)		Method pointers for linking Person#getSurname		Multi line Strings String s = "" Year class ""		Type n for generics in declarations Map<String, Map> m = new HashMap<>	
1	33	1	47	1	70	1	10	1	6	1	8	1	9	1	61
2	21	2	56	2	38	2	16	2	8	2	10	2	12	2	49
3	30	3	35	3	27	3	35	3	10	3	15	3	21	3	35
4	25	4	26	4	15	4	42	4	17	4	13	4	28	4	19
5	10	5	20	5	15	5	29	5	13	5	25	5	29	5	19
6	14	6	15	6	8	6	17	6	23	6	21	6	27	6	15
7	14	7	9	7	2	7	18	7	24	7	25	7	24	7	11
8	26	8	19	8 → 2		8	9	8	19	8	23	8	32	8	8
X	29	X	1	X	12	X	8	X	28	X	24	X	15	X	0
rank → count															
Extra votes below the line!															
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4		1		2		3		5		7		8		6	
X		2		X		4		X		X		3		1	
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5		6		4		5		X		X		1		3	
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# Be smart!





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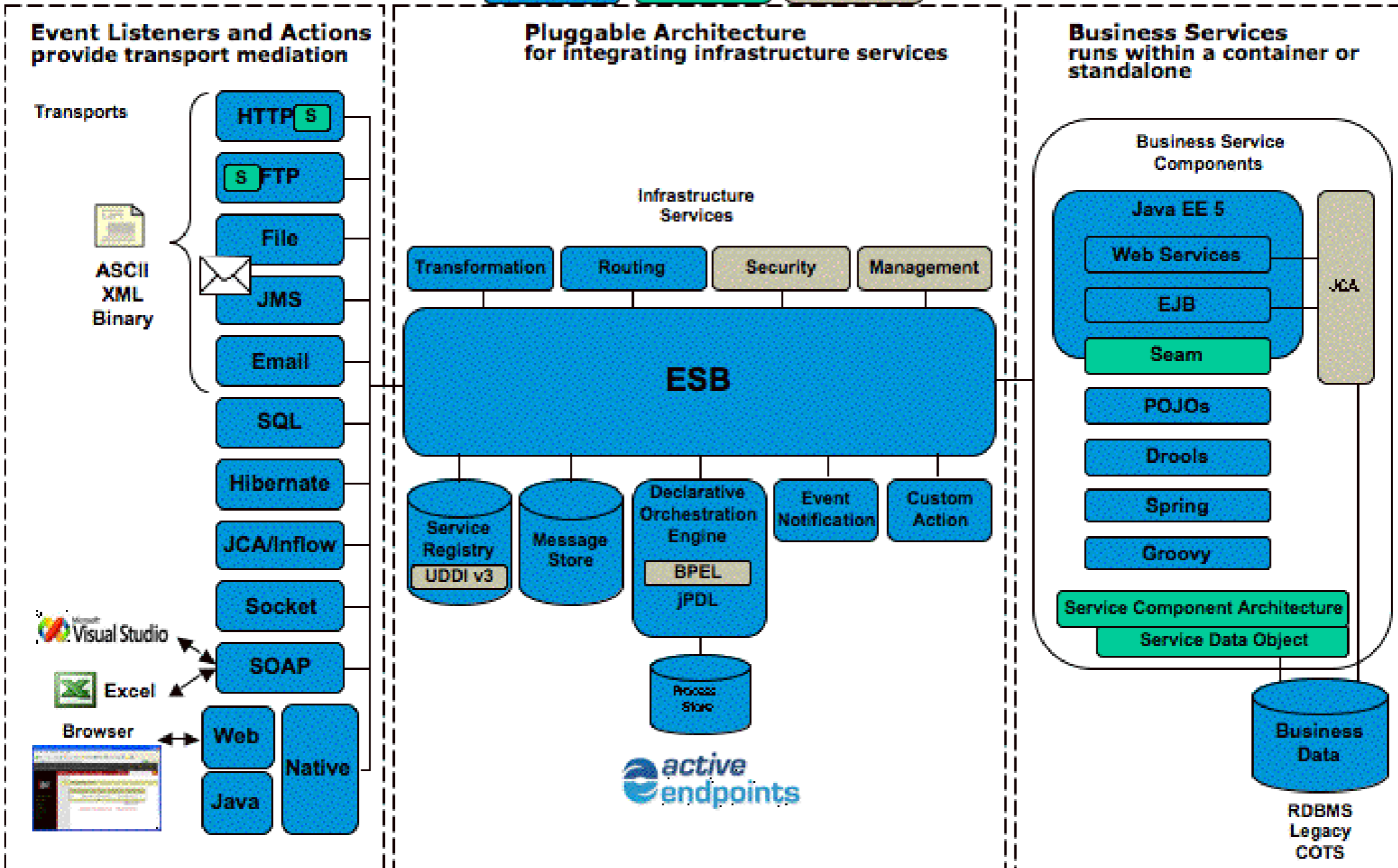
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# JBoss SOA platform

Now Future Partners



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# JEE6 Overview

- Pruning – removing of dead wood from the code (JAX-RPC, EJB 2.x Entity beans CMP)
- Profiles – JEE 6 will offer three profiles (will be packaged in three ways). The Minimal profile is basically a Servlet container. The Intermediate profile adds EJB 3.1, WebBeans , JTA and JPA, and the full profile adds JMS, JCA, and a bunch of JAX'es.
- WebBeans (JSR 299) unifies JSF, JPA and EJB 3. It introduces Conversations (circumcised sessions), dependency injections, and annotation meta-programming.
- EJB 3.1 will become simpler (haven't we heard this already? ). Interesting development here is an introduction of a Singleton Bean as a global repository for your application, cron-style declarative and programmatic timers, Java SE support (think about it – you can create a server container on the fly right in your desktop application), EJB Lite.

# JEE6 Overview (cont)

- Java Persistence API gets Bean validation (JSR 303) that will let you validate data at various level. I hope there will be a way to selectively turn this validation on or off.
- Servlet 3.0 (JSR 3.0) is something that I'm watching closely because of its huge scalability potential. Use of non-blocking I/O and asynchronous processing (suspending and resuming of queries) will dramatically increase the number of supported concurrent users . The open source Jetty already offers Servlet 3.0 implementation, and commercial vendors will implement it too. A servlet turns into an annotated POJO.
- And finally, JEE 6 will offer Web Service support with the ReEST using JAX-RS API.

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- **Hibernate Performance Tuning (1h)**

# Principali conferenze Java 2009

JavaOne 2009, San Francisco Giugno 2009  
JBoss world, Chicago Settembre 2009  
Devoxx 2009, Antwerpen Dicembre 2009

# Q&A



Thanks for your  
attention!

<http://www.devoxx.com>

<http://parleys.com>