

Sun and Open Source Middleware Communities

Eduardo Pelegri-Llopart
Distinguished Engineer,
Sun Microsystems

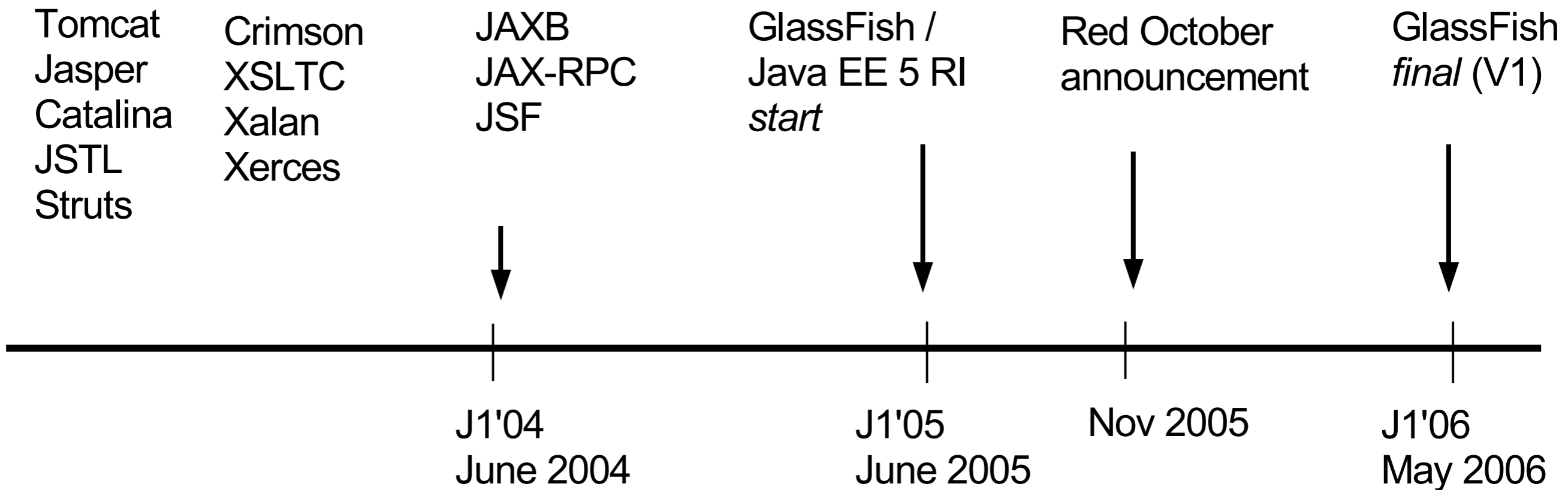
Sept 25, 2006

Agenda

- History
- OpenSource and Sun
- Communities
- Participation Opportunities

- Q & A

History (extracts)



FOSS Middleware Components

- GlassFish - AppServer, JavaPersistence, Web Tier @**JN**
- Portal - Container, WSRP, Portlet, Portlet Rep @**JN**
- OpenESB, OpenJBI - JBI, BPEL @**JN**
- OpenSSO – Access & Fed Mgr @**JN**
- OpenDS - Directory Server @**JN**
- Phobos, jMaki... - Web 2.0/AJAX @**JN**
- Derby – JavaDB @**ASF**
- NSS - @ mozilla... @**Mozilla**
- *OpenMQ?* - MessageQueue @**JN**

FOSS Middleware Components, 2

- ??? – Monitoring Framework & Console
- ??? - JSF Components
- ??? - Web Server, Proxy Server
- ??? - Installer

Roadmap Highlights

OpenSSO
OpenESB/JBI
GlassFish Ann.

Derby / Java DB
Ann.

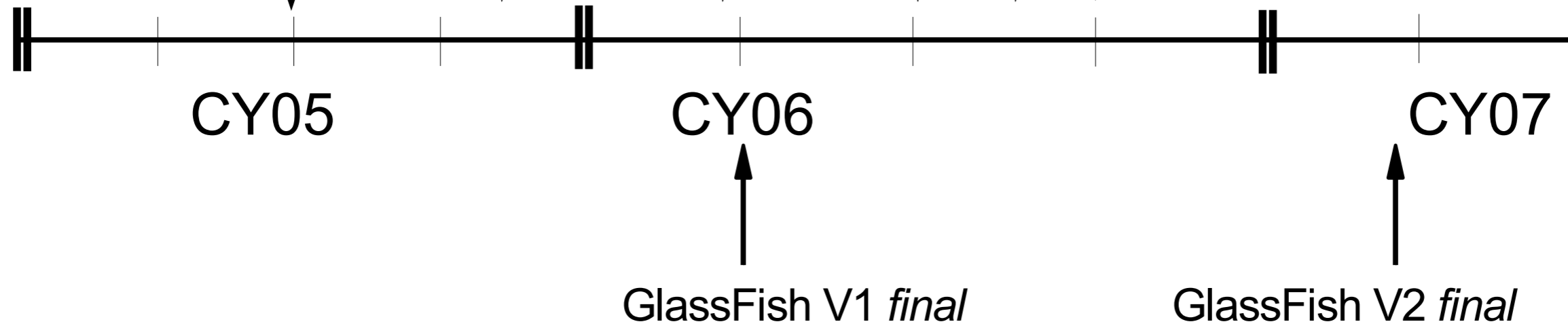
Portlet - Rep
Container, WSRP

OpenDS

TODAY

SOON

AM Policy Agents
Fed Mgr
More Portal Components
More OpenJBI Components
Web Server
JSF Common Components
Installer
Monitoring



Principles

<http://GlassFishWiki.ORG/gfwiki/Wiki.jsp?page=GlassFishPrinciples>

- Industry-Leading Technology (no secret sauce)
- Want Adoption of Code Base
- Community Centered. Encourages Participation
- Transparency (bugs, roadmap); Clear Governance
- Continuous Improvements
- Participation (contributors, partners)
- Integrated and Integrateable
- Open Standards - JCP et al.
- OSI Licenses. CDDL (with a few others)
- Clear Copyright (SCA)

Open Source and Sun

- Why?
 - Ubiquity (adoption of Java, Software, Solaris)
 - Lower Barrier to Adoption
 - Better Products, Closer to Customer
 - More Know-How, Contributors, Components
- Revenue?
 - Training, Support, Consulting
 - Systems
- Sun gets Big Portion of Pie; Pie Gets Bigger
 - Sun's (and others!) final take home is *bigger*

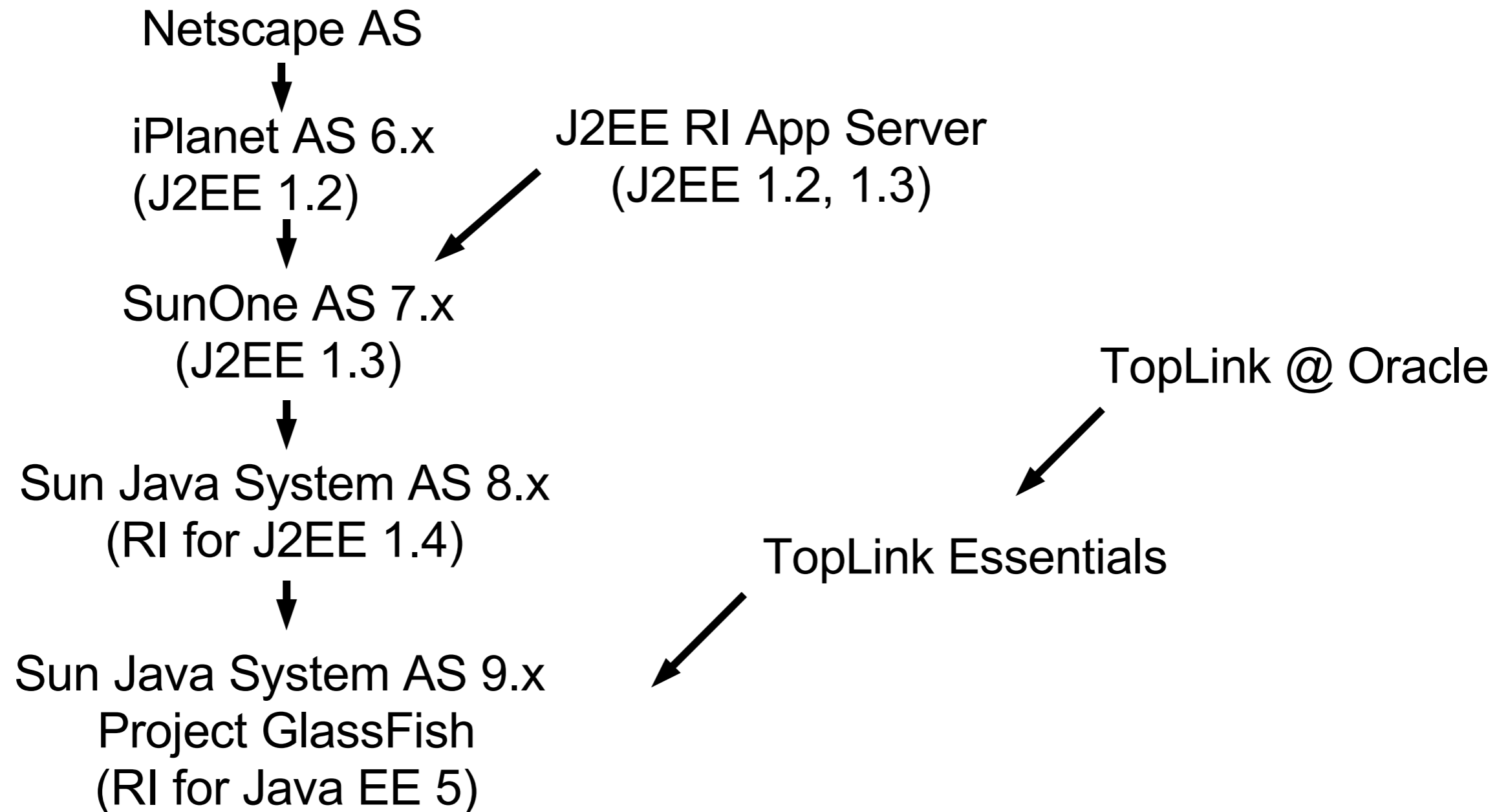
GlassFish Status

glassfish.dev.java.net

- GlassFish v1
 - Java EE 5 Compliance. Working on UR1 - bug fixes
 - Very nice adoption curve
 - Contributors include: Sun, Oracle, TmaxSoft, BEA, JBoss
 - *Distributed as Sun Java System AS 9.0 (and others)*
- GlassFish v2
 - Load balancing, Cluster management, Failover
 - New WS stack, Performance, Startup time, Scripting
 - Community, Transparency, Adoption Programs
 - *Distributed as Sun Java System AS 9.1 (and others)*
- GlassFish v3 / Sun J
 - Bigger changes. Modularization. Whatever didn't go in V2

Glad you asked...

A (shortened) View of Application Servers @ Sun



Portal Status

portal.dev.java.net

- Enterprise Quality Portal
- Already Released
 - Portlet Repository (JSR-198)
 - Portal Container
 - WSRP Producer and Consumer
- To be Released
 - Portal Aggregation
 - Collaboration
 - Security Access ...
- *Distributed as Sun Java System Portal 7.0+*

OpenESB/JBI Status

openesb.dev.java.net

- Based on JBI (Java Business Integration) Standard
- Already Released
 - JBI Implementation
 - BPEL
- More Components to be Released
- Integrated within GlassFish V2
- *Distributed in*
 - Sun Java Studio Enterprise Pack
 - Sun Composite Aggregation Platform Suite

OpenSSO Status

opensso.dev.java.net

- Access Manager, Single Sign-On, Federation
 - SAML, XACML, Liberty Standards
- Already Released
 - Access Manager
 - Many Policy Agents
- To be Released
 - Federation Manager
 - More Policy Agents
- *Distributed in*
 - Sun Java System Access Manager & Federation Manager

OpenDS

opends.dev.java.net

- High-Performance, Standards Based Directory Server
 - LDAP, DSML
- Brand-new Code Base
 - Java-based
 - Very High Performance Goals -
 - Not Based on DSEE
- Full Fledged
 - Virtual Directory, Proxies, Caching, etc...
- *Distributed as – yet TBD*

AJAX, Scripting, Dynamic Langs...

- AJAX
 - JMaki – Flexible encapsulation of AJAX (ajax.dev.java.net)
 - DynaFaces – JSF-based AJAX (jsf-extensions.dev.java.net)
- Phobos (phobos.dev.java.net)
 - Lightweight Java-based Framework for Web Apps
 - Supports JavaScript and other Languages
- JRuby (jruby.codehaus.org)
 - Ruby on Java Infrastructure
- Apache Derby
 - Contributors include IBM, Sun, others
 - *Distributed as JavaDB*

Participation Opportunities

- Using the Code
 - Requirements
 - Continuous Improvement
 - Deployments
 - Architectural Input
- Building *on* this Middleware Code
- Contributing
 - Know-How
 - Bugs, Fixes
 - New Features

More Information

- Eduardo Pelegri-Llopart
 - pelegri@sun.com
- TheAquarium News Blog
 - <http://blogs.sun.com/theaquarium>
- Multiple Web Sites
 - GlassFishWiki.ORG (see Middleware Community page)
 - See Each Community page

Help Improve This Presentation

The copyright of this presentation is licensed under a creative commons license. Some rights are reserved. © 2006 Sun Microsystems

See <http://creativecommons.org/licenses/by-sa/2.5/>

If you want to contribute, keep attribution and maintain license. We would also appreciate notifying us of the changes.

More related presentations are kept at the Presentations page of the GlassFish Wiki.

<http://www.glassfishwiki.org/gfwiki/Wiki.jsp?page=Presentations>

Credits

Eduardo Pelegri-Llopart
Rich Sharples

<Second column>

Credits

Contributors include

- > Eduardo Pelegri-Llopart
- > Rich Sharples

<second column for credits>

Sun and Open Source Middleware Communities

Eduardo Pelegri-Llopart
Distinguished Engineer,
Sun Microsystems

Sept 25, 2006