GlassFish
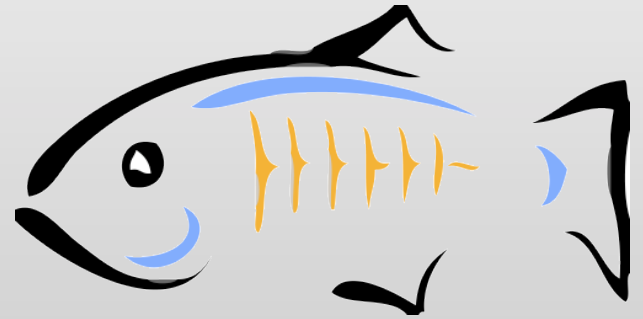# Community & Roadmap Update

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The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

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Agenda

- Community Update

- Java EE 7 Update

- GlassFish Update

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GlassFish Community Update

Since last JavaOne …

- 11,000,000+ GlassFish Downloads
  - 4.5 Million from Update Center
  - 6.5 Million installer/zip downloads
  - Does not include Maven artifacts
- More social: ~3,000 more Twitter followers
- Serli began contributing Rolling Upgrade

GlassFish Community Update

Evangelists

Arun Gupta
Since the beginning
of (GlassFish) time

Bruno Borges
Since the beginning
of July

Reza Rahman
Since the beginning
of last Friday

Java EE 6 Themes

Flexible & Lightweight

- API Pruning
- Standards-based dependency injection
- Handle simple to complex with no external dependencies

Extensible

- Embrace open source frameworks
- Enable Drag & Drop framework installation
- Standards-based DI extensions don't create proprietary lock-in

Developer Productivity

- POJO Programming Model
- More annotations, better IDE support
- Less XML configuration, more convention
- Annotations, not deployment descriptors

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Java EE 7 Planned Themes – Last JavaOne

Cloud
- Multitenancy
- Provisioning
- Elasticity

HTML5
- WebSockets
- JSON
- HTML Forms

Developer Productivity
- Less boilerplate
- Richer functionality
- More defaults

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Feedback on Java EE 7 Changes

Java EE is **already 90% cloud ready** due to its focus on clear packaging, deployment and portability ...When it comes to the last 10% of unmet cloud needs, we are **clearly in a time of experimentation, nor a time of standardization...** Vendors innovate, collectively we standardize. We are not done innovating in this space.

David Blevins, Apache TomEE, Geronimo and More(!)

twiigs beta

Java EE7 Cloud features likely to be delayed until 2015 – your view?

Right call. Cloud standardization is a bad move with the market changing so much

52%

…it is a **brave and honest decision** of the EG to realign Java EE 7 to the community needs and make a second try on Cloud and PaaS with the Java EE 8 Platform release scheduled for the spring of 2015…

Markus Eisele, Java EE Consultant

Speaking as a Java EE implementor, we (Red Hat) are **very much in support of this.** We've long advocated that we, the Java EE community **are not ready to standardize cloud yet,** and feel this is proven by OpenShift, our Java EE cloud offering, which is working well with Java EE 6.

Pete Muir, Redhat

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Java EE 7 Themes – Current

Cloud

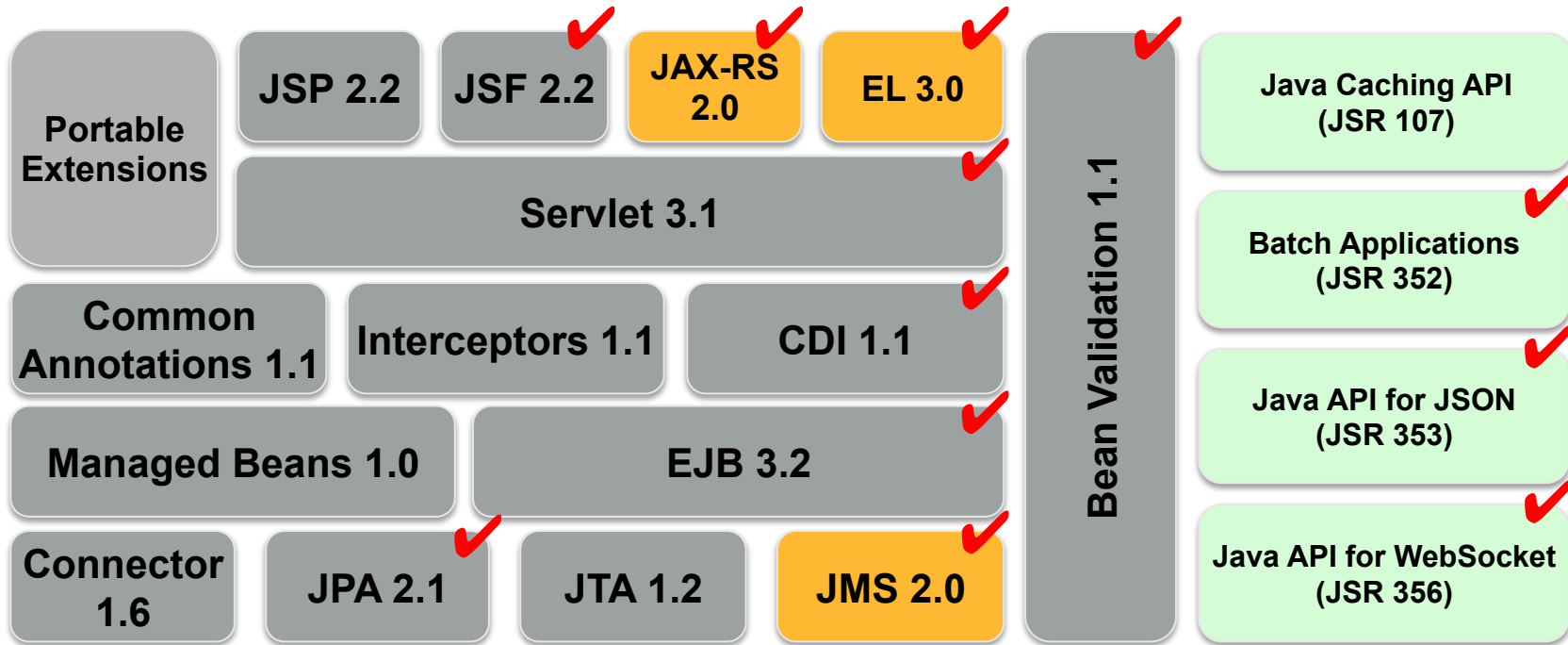- Permission Declaration
- Default Resource Definition

HTML5

- WebSockets
- JSON
- HTML Forms

Developer Productivity

- Less boilerplate
- Richer functionality
- More defaults

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Java EE 7 – Specification Status

Portable Extensions

JSP 2.2 | **JSF 2.2** ✔ | **JAX-RS 2.0** ✔ | **EL 3.0** ✔

Servlet 3.1 ✔

Common Annotations 1.1 | **Interceptors 1.1** | **CDI 1.1** ✔

Managed Beans 1.0 | **EJB 3.2**

Connector 1.6 | **JPA 2.1** ✔ | **JTA 1.2** | **JMS 2.0** ✔

Bean Validation 1.1 ✔

Java Caching API (JSR 107)

Batch Applications (JSR 352) ✔

Java API for JSON (JSR 353) ✔

Java API for WebSocket (JSR 356) ✔

✔ Early/Public Drafts Available

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GlassFish Server 3.x Releases

GlassFish v3
- Java EE 6 Support
- Single Instance
- GlassFish Enterprise Mgr

GlassFish Server 3.1
- Centralized administration
- Clustering / HA
- GlassFish Server Control

GlassFish Server 3.1.2
- Bug Fixes
- Incremental Features

2010

2011

2012

GlassFish Server 3.0.1
- Oracle Branding
- Oracle Platform Support
- Oracle Interoperability

GlassFish Server 3.1.1
- Bug Fixes
- Updated Components
- Incremental Features

GlassFish Server 3.1.2.2
- Bug Fixes

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GlassFish Server Roadmap

Java EE 7 SDK
- Updated Tutorial
- Update Samples
- Updated API Docs

GlassFish Server 4
- Java EE 7 Support
- High Availability
- Additional Features TBD

Q2 CY2013

2H CY2013

Java EE 7 RI
- Oracle Branding
- Oracle Platform Support
- Oracle Interoperability

Java Community Process
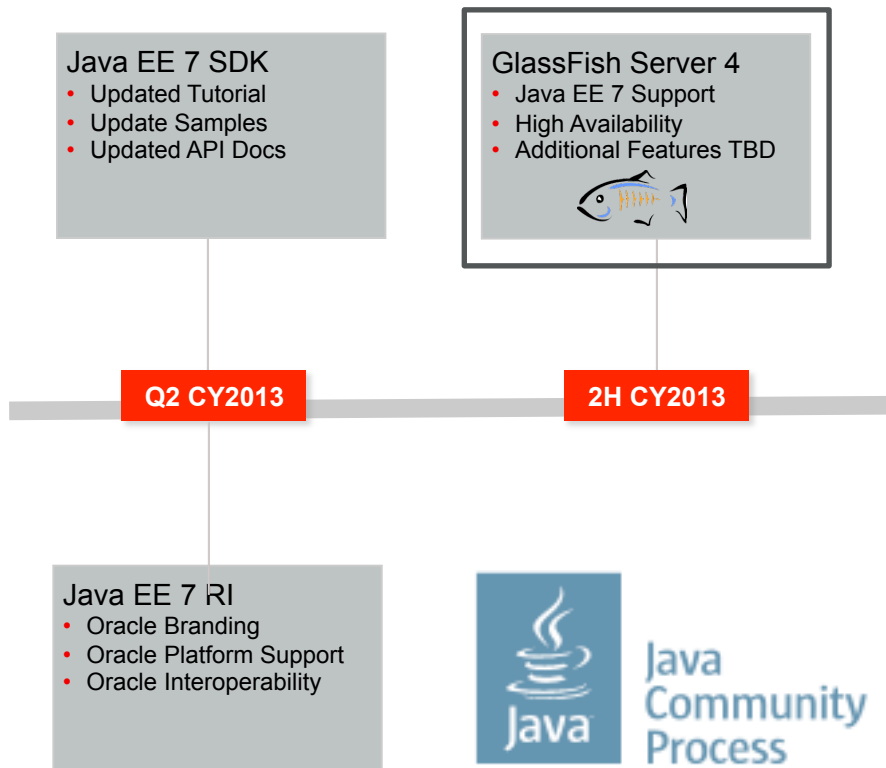
- Traditional release strategy
  - Deliver single instance release
    - Plus SDK
    - Plus Java EE RI
  - Deliver multi-instance / HA release

- New Release Strategy
  - Deliver Java EE 7 Sooner
  - Get SDK to developers Sooner
  - Deliver HA release sooner

- GlassFish 4.0 – Taking feature requests!

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Java EE 7 – Implementation Status

4.0
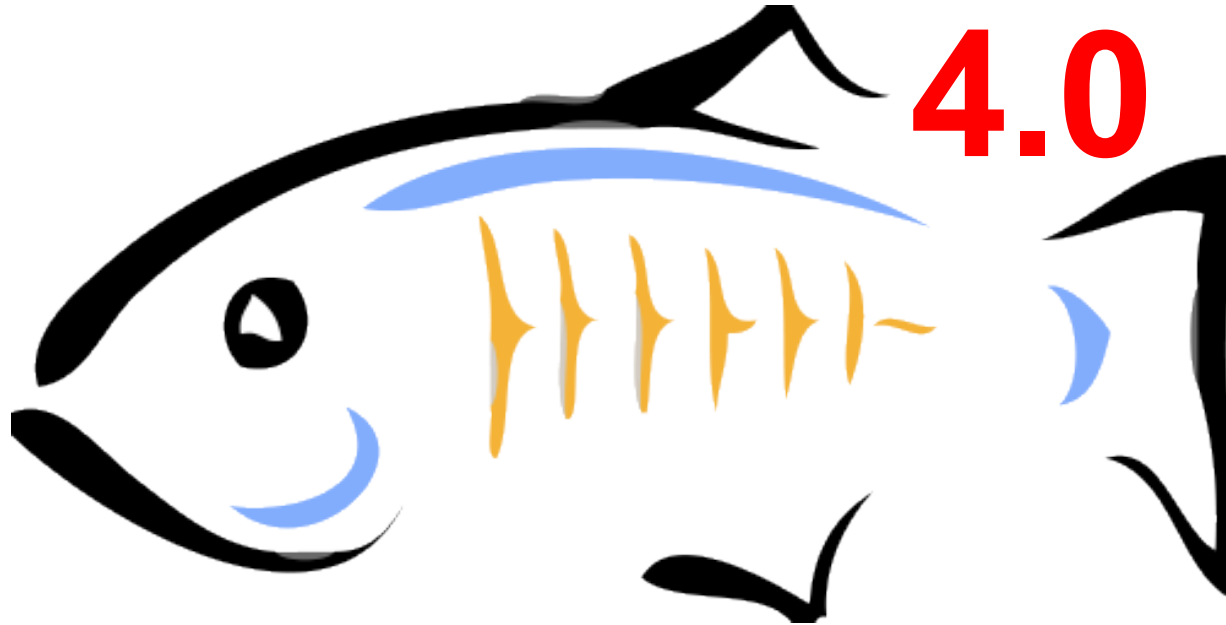
download.java.net/glassfish/4.0/promoted/

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Java EE 8 and Beyond

Standards-based cloud programming model

- Deliver cloud architecture
- Multitenancy for SaaS Applications
- Incremental delivery of JSRs
- Modularity based on Jigsaw (Java SE 9)