Eclipse Enterprise for Java (EE4J)

Presentation to Java Community Process Executive Committee

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Safe Harbor Statement

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.
Java EE - Available On Premise and in the Cloud
Highly Successful, Standardized Programming Model
Java EE 8 – Delivered!

Java™
ENTERPRISE EDITION

Enterprise Java

J2EE 1.2
Servlet, JSP, EJB, JMS

1999

Robustness

J2EE 1.3
CMP, JCA

2001

J2EE 1.4
JAX-RPC Mgmt, Deployment

2003

Web Services

Java EE 4
Annotations, EJB 3.0, JPA, JSF, JAXB, JAX-WS

2006

Ease of Development

Java EE 5
JAX-RS, CDI, Servlet 3.0, Web Profile, Pruning

2009

Lightweight

Java EE 6
JAX-WS, Security

2013

Productivity & HTML5

Java EE 7
JAX-WS 2.0, JSON-P, WebSocket, JMS 2.0, Batch

2017

Modernization, Simplification

Java EE 8
Servlet 4.0, JAX-RS 2.1, JSON-B, Security

2017

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However, Java EE Process Perception Issues

• Despite success, questions linger – is the process...
  – Nimble, keeping pace with industry innovation
  – Flexible, for example licensing terms
  – Open, perception of Oracle as primary player

• Public disagreement and controversy
  – Vendors
  – Community members
  – Press

• We want to address these concerns in a positive manner
Eclipse Enterprise for Java - EE4J
Moving Java EE to Eclipse Foundation

Join the discussion at ee4j-community@eclipse.org
Open Process – Top Level Project Charter Published

Join the discussion at ee4j-community@eclipse.org
Eclipse Enterprise for Java (EE4J) Project Overview

• Open process
• Collaboration: community, vendors, Eclipse
• Transition to EE4J in CY2018
  – GlassFish 5.0/Java EE 8 RIs, TCKs, product docs
  – Process for existing and new specs
  – Compatibility process
• Technology evolution, MicroProfile integration
• Oracle Java EE Support through Java EE 8
  – Continuity for Java EE community
Project Overview – Additional Detail

• Relicense Oracle Java EE 8 and GlassFish 5.0 technologies to EE4J - RIs, TCKs, and product docs

• Build a compatible EE4J implementation that passes existing Java EE 8 TCKs

• Use existing javax package names, and component specification names for existing JSRs for continuity

• Define a process by which existing specifications can evolve, and new specifications can be included in the platform

• Recruit developers, vendors and other community members as sponsors – Oracle no longer the platform “Spec lead”

• Evolve the platform and potentially incorporate Eclipse MicroProfile technologies

• Focus on the above to facilitate a rapid transition
Oracle Will Continue to Support Vendors/Licensees

- Oracle will honor existing agreements with vendors of Java EE implementations
- Oracle will continue to offer renewals to license agreements
- Oracle will continue to support vendor/licensee implementations and certifications as it has done prior to this announcement
- Oracle intends to support Java EE 8 through Sept 2025
- We expect licensees will plan migration to EE4J prior to 2025
- EE4J licensing/compatibility will be defined by the EE4J project
For Oracle Customers - Will Continue to Support Existing WebLogic Versions

New Development, Runtime and Cloud Capabilities

- **WebLogic Server 10.3.6 (11gR1)**
  - Java EE 5, JDK 6 and 7
  - **GA:** 2009-2012

- **WebLogic Server 12.1.3 (12cR1)**
  - Java EE 6 +, JDK 7 and 8
  - **GA:** 2011-2013

- **WebLogic Server 12.2.1+ (12cR2)**
  - Java EE 7, JDK 8
  - **GA:** 2015+

Compatibility and Upgradeability
For Oracle Customers
WebLogic Server “Next” Release – Version TBD

• WebLogic Server “Next” – CY2018
• Commercial Java EE 8 Support
• Compatible with prior versions
• Available on premises
  – Installers, Docker images
• Available in Oracle Cloud
  – Java Cloud Service, Application Container Cloud
Benefits - A New, Open Direction Forward

• Nimble - more rapid evolution of the technology
• Flexible - modern open source process and licensing
• Open – transparent process, broader vendor and community participation
• Compatible - Transition from Java EE 8 to new offering
• Multiple vendors and established foundation supporting the initiative
Summary

• Moving Java EE to EE4J
  – In collaboration with the community
  – More nimble, flexible and open process
  – Compatible implementation
  – Evolve the platform
• Oracle will continue to...
  – Support licensees/vendors
  – Support existing WebLogic Server releases
  – Invest in new WebLogic Server releases, capabilities
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