JavaOne™

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Eclipse Enterprise for Java (EE4J)

Presentation to Java Community Process Executive Committee

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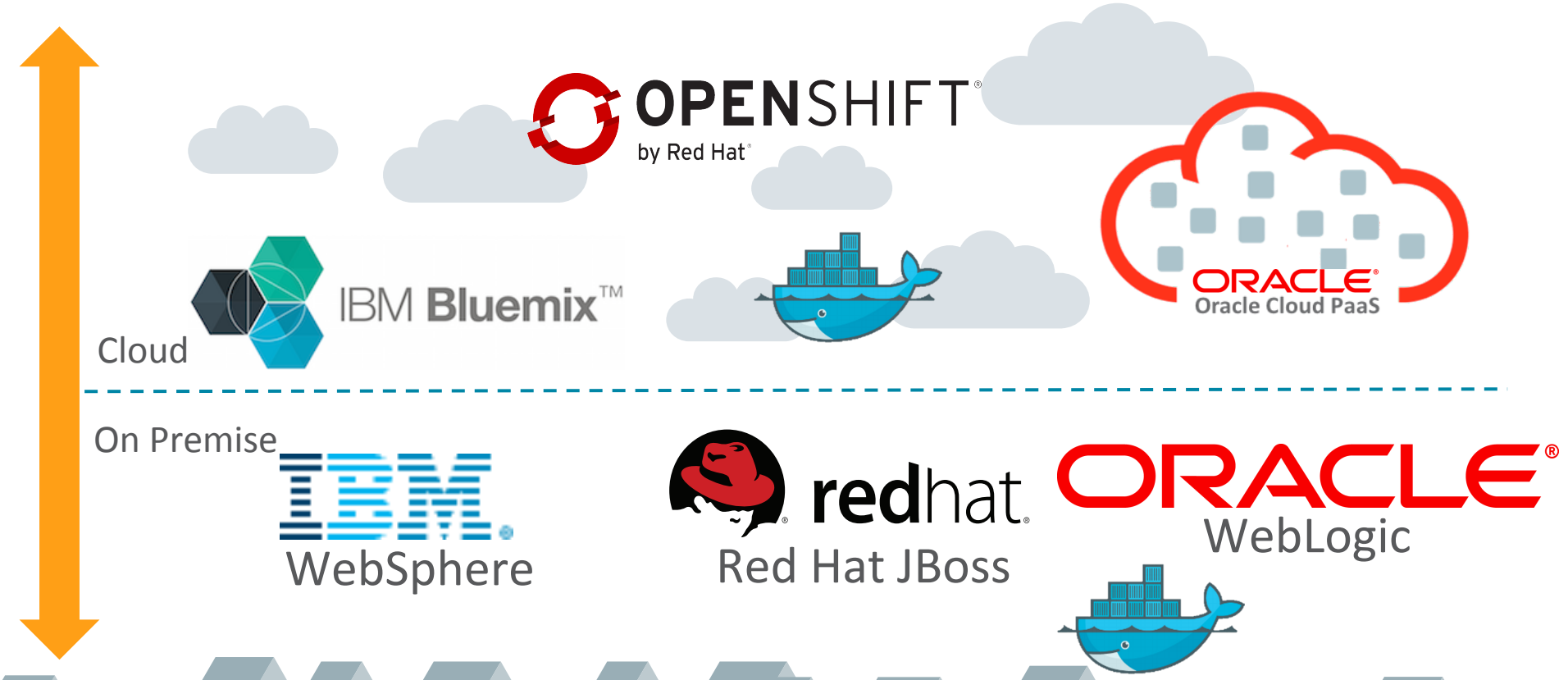
Java EE - Available On Premise and in the Cloud

Highly Successful, Standardized Programming Model



Choice of Implementations

CAUCHO
NEC
WildFly
Cosminexus
OW2 Consortium
TmaxSoft
IBM
RED HAT JBOSS ENTERPRISE APPLICATION PLATFORM
SAP
ORACLE FUSION MIDDLEWARE WEBLOGIC SERVER
INFORS 中创中间件
TongTech
FUJITSU
APACHE GERONIMO

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Java EE 8 – Delivered!

1999	2001	2003	2006	2009	2013	2017
Enterprise Java	Robustness	Web Services	Ease of Development	Lightweight	Productivity & HTML5	Modernization, Simplification
J2EE 1.2 Servlet, JSP, EJB, JMS	J2EE 1.3 CMP, JCA	J2EE 1.4 JAX-RPC Mgmt, Deploy-ment	Java EE 5 Annotations, EJB 3.0, JPA, JSF, JAXB JAX-WS	Java EE 6 JAX-RS, CDI, Servlet 3.0, Web Profile, Pruning	Java EE 7 JAX-RS 2.0, JSON-P, WebSocket, JMS 2.0, Batch	Java EE 8 Servlet 4.0, JAX-RS 2.1, JSON-B JSON-P 1.1, Security

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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

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Eclipse Enterprise for Java - EE4J
Moving Java EE to Eclipse Foundation

IBM

ORACLE

redhat

Community and Vendors

Technology

Sponsorship

eclipse
Enterprise for Java

- ✓ Nimble
- ✓ Flexible
- ✓ Open
- ✓ Compatible

Join the discussion at ee4j-community@eclipse.org

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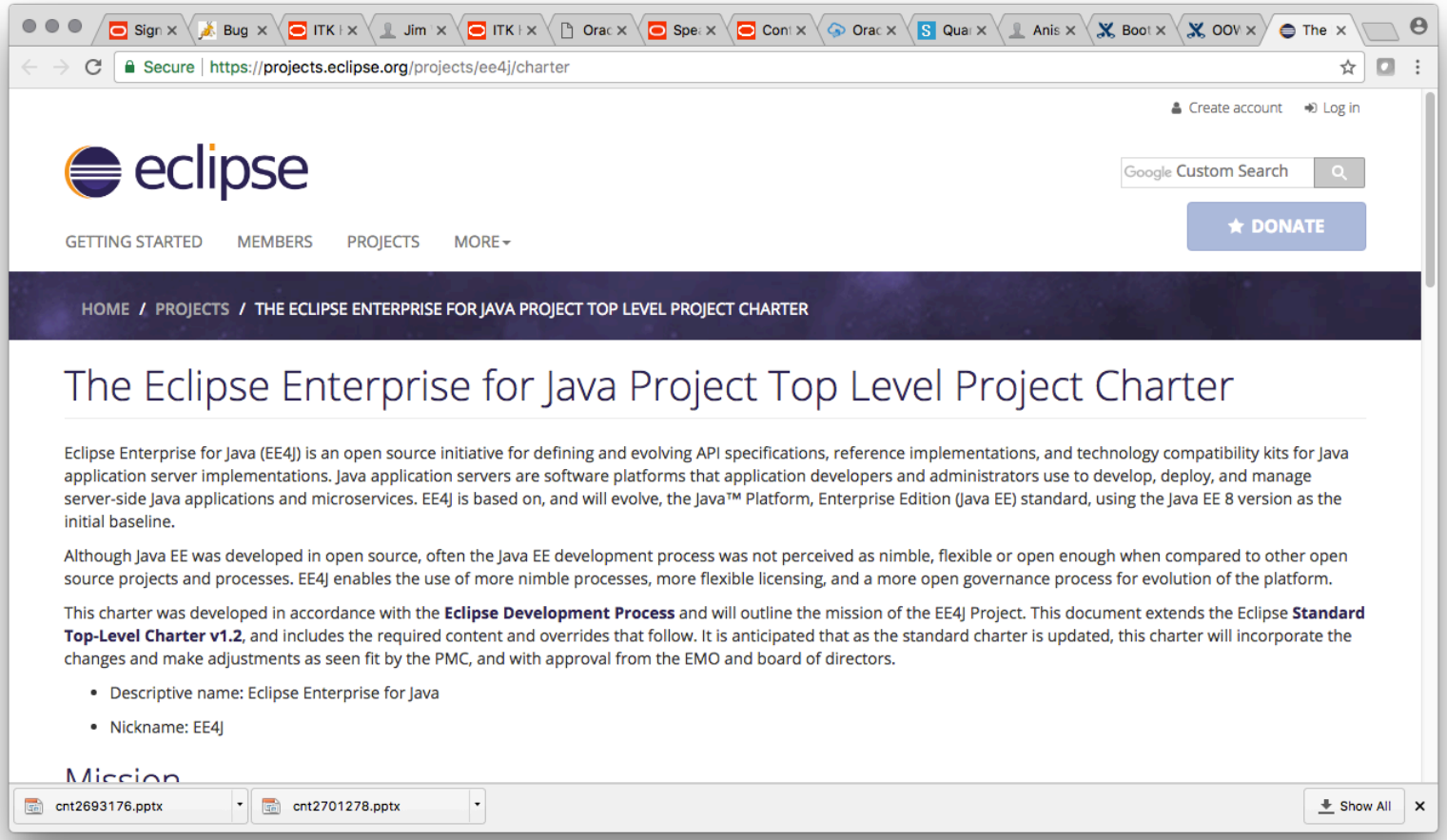
Open Process – Top Level Project Charter Published



Join the discussion at ee4j-community@eclipse.org

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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

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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

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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

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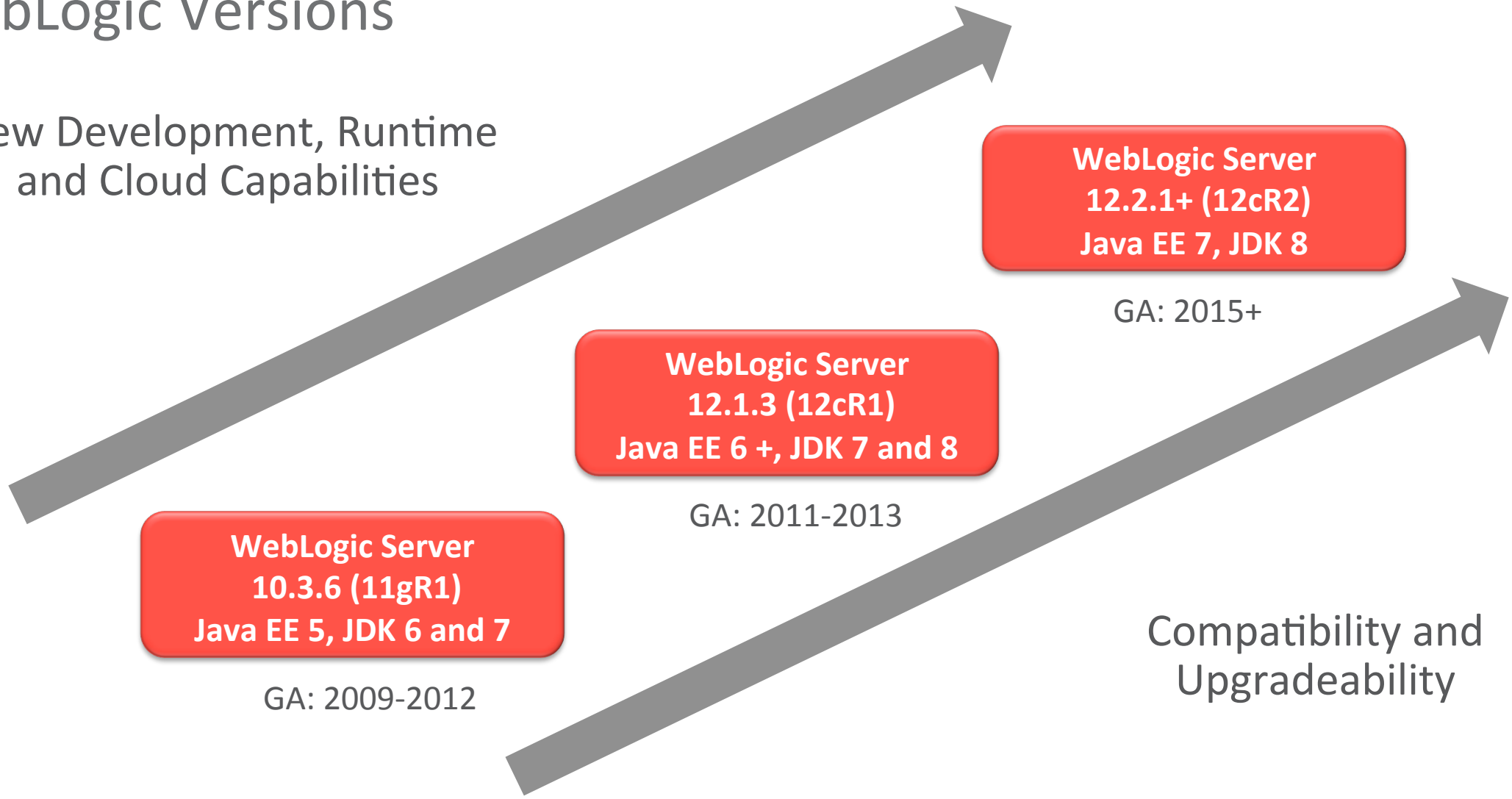
For Oracle Customers - Will Continue to Support Existing WebLogic Versions



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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

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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

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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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