



EE4J and EE.Next

Status Update for JCP EC

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Agenda

- What was announced at JavaOne?
- Current status and development plans
- Futures:
 - Specification process
 - Working group governance



Call to Action

- Become a Member of the Eclipse Foundation
- Help us define the new spec process
 - Make sure your requirements are met
- Contribute to the EE4J open source projects that care about....spec, TCK, or RI
- Join the working group

Eclipse Enterprise for Java (EE4J)

Moving Java EE to Eclipse Foundation



Technology

Sponsorship



Community
and
Vendors



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 - RIIs, 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
- Begin the above ASAP after Java EE 8 delivery to facilitate a rapid transition

Key Principles and Assumptions



- Open, Transparent, Meritocracy, Community-Driven
- Compatibility
 - Key to Java EE's historical success
 - Driven by brand. Access to brand allowed only by compliance
 - The Spec+RI+TCK combination has value
- Innovation
 - Future focus is on ensuring Java's future as a cloud native language and platform
- Sustainability
- Agility
 - Just enough process



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Update Since JavaOne

- Published and Approved Top Level Charter
- Formed Eclipse Project Management Committee
- Building the EE4J community
- Transferred GlassFish-related project trademarks to Eclipse
- Begun process of contributing GlassFish sources
- Guidelines on use of JCP for existing Java EE Specs
- Beginning formation of Working Group

Building the EE4J Community



IBM

ORACLE

redhat

payara

Tomitribe
join the tribe

FUJITSU

Pivotal

hazelcast

LJC*



Community
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Vendors

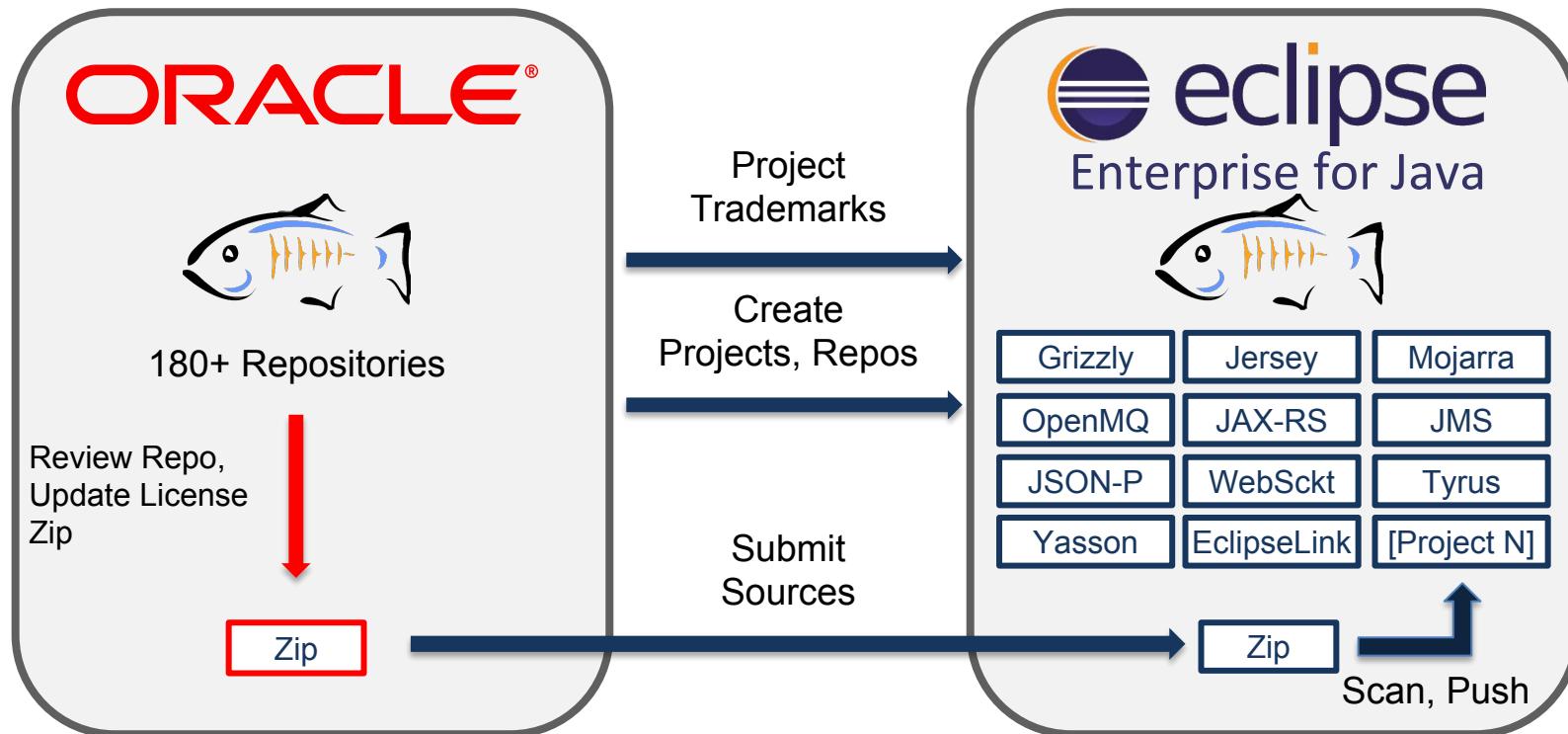
Technology

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Active discussions at ee4j-community@eclipse.org

GlassFish Contribution Process





Progress Report Card

- ✓ Contribute Oracle Java EE 8 technologies and GlassFish 5.0 technologies to EE4J - RIs, TCKs, and product docs (in process)
- ✓ Build a compatible EE4J implementation that passes existing Java EE 8 TCKs (in process)
- ✓ Use existing javax package names, and component specification names for existing JSRs for continuity (in process)
- ☐ Define a process by which existing specifications can evolve, and new specifications can be included in the platform (Begin in Q1)
- ✓ Recruit developers, vendors and other community members as sponsors – Oracle no longer the platform “Spec lead” (in process)
- ☐ Evolve the platform and potentially incorporate Eclipse MicroProfile technologies (remains intent, not yet initiated)
- ✓ Begin the above ASAP after Java EE 8 delivery to facilitate a rapid transition (in process)

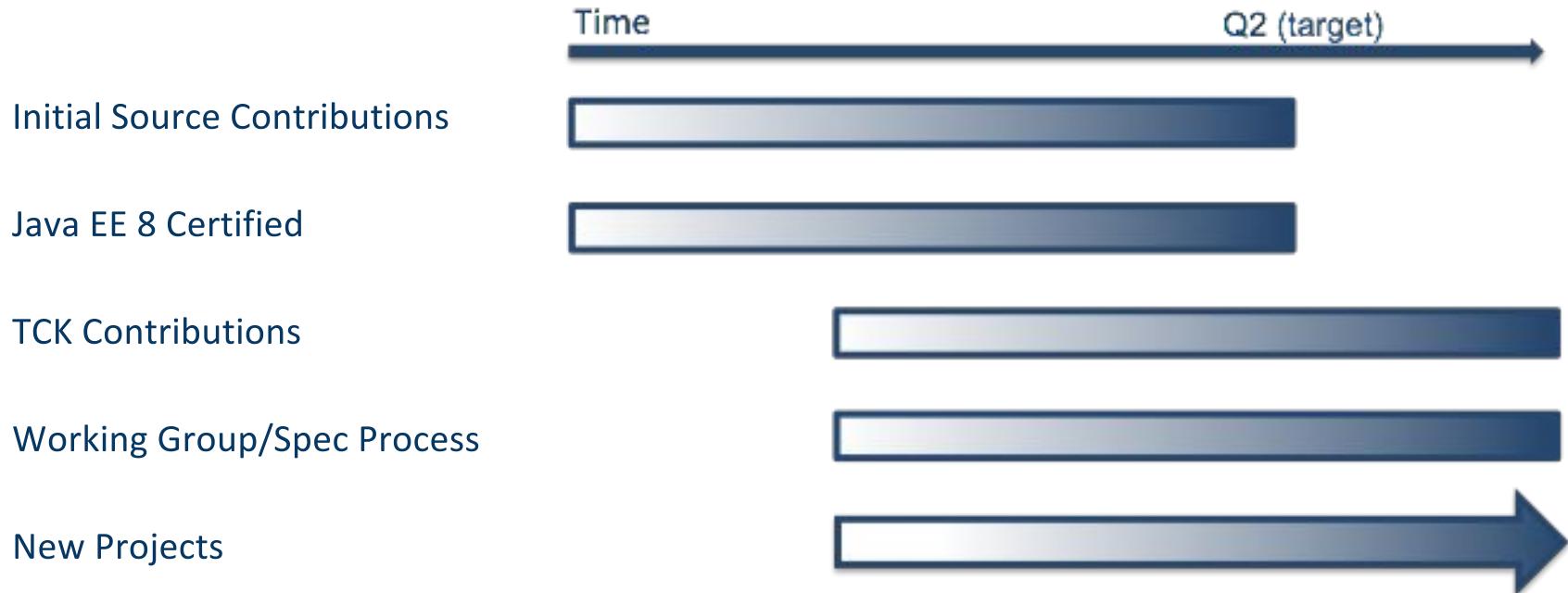
EE4J: Behind the scenes efforts



- Eclipse Enterprise for Java (EE4J) top-level project approved by Board and created
- Moved EclipseLink and Yasson there
- First nine projects are live
 - Created
 - Provisioned
 - 7/9 with code, several running builds
 - IP reviews on-going
- Second batch of projects coming (JSON-B API, JavaMail, JAX-B, JAX-WS...)
- Negotiated and executed trademark assignment agreement with Oracle
 - Transferring all existing project names to Eclipse (Glassfish, Jersey, etc.)



EE4J Rollout Approach





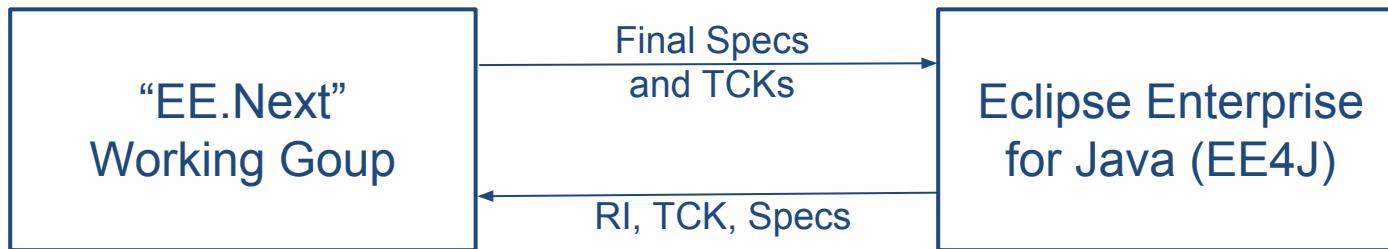
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- **Futures:**
 - Specification process
 - Working group governance

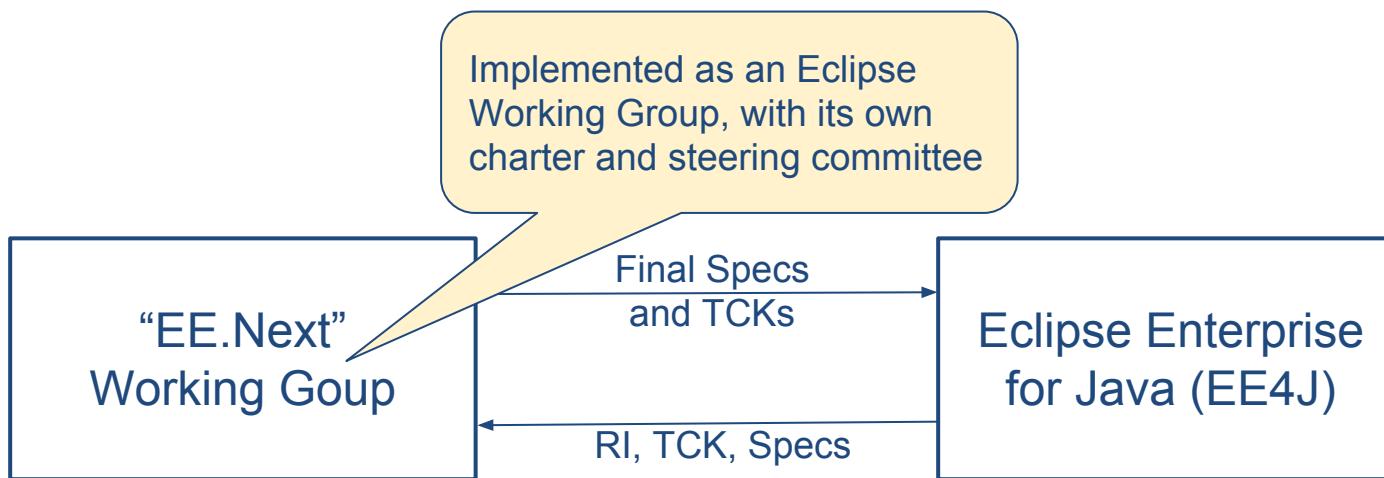


Some Key Points

- Code first, rather than spec first innovation
- Specs + TCK + RI
- Compatibility still matters
- No “Spec Lead” (e.g. no more central control of IP by Sun/Oracle)
- Lighter-weight processes for specs, defining profiles, etc.
- This is about the future, not just the legacy



- Member driven
 - Governance, budgeting
 - Specification process defined
 - Specifications approved and adopted
 - Brand creation and marketing
 - Brand compliance and enforcement
 - Spec licensing
- Developer driven
 - Open source code and TCKs
 - EPLv2 w/ GPL-CE license
 - Meritocracy
 - Agile, rapid innovation
 - Specifications created for IC approval and adoption
 - Processes defined by the Eclipse Development Process and IP Policy



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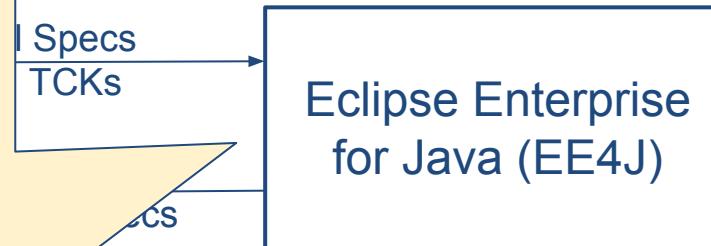
- This is the new brand
 - Does not need to use “Eclipse” in the name



- Member driven
 - G
 - C
 - S
 - E
 - L
 - P
 - This is the Eclipse project name, which is separate from the brand
 - Similar to “Java EE” vs “Glassfish”
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- An Eclipse Top-Level Project with its own charter.
- Note that this project can contain projects which are not part of the current specification process. Agility and innovation should happen **before** the specification process kicks in. In fact, we would like to establish a convention that nothing can enter the spec process without an existing open source implementation with a license compatible with EPL-2.0



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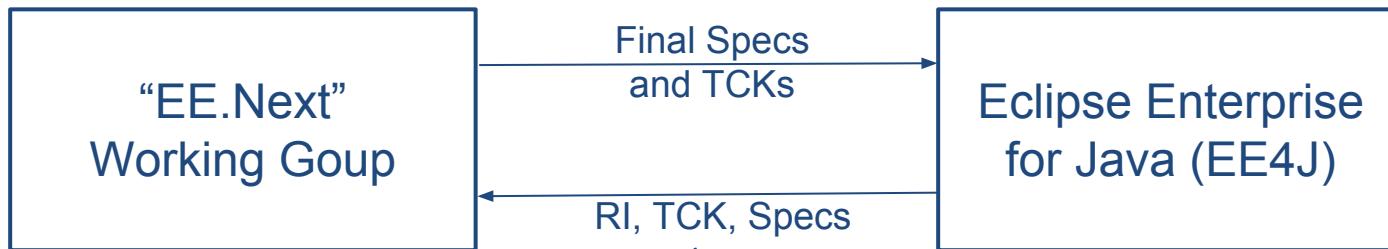


- Specs are developed by Eclipse open source projects using open source rules of engagement
- **No Spec Lead** with special IP rights
- Output is a specification document
- Process TBD, but lighter weight than JCP
- Those orgs involved in the Spec process must be Members. Individuals can participate as well

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- Member driven
- Governance, budgeting
- RI and TCKs are implemented as OSS and can be used by anyone
- Final, versioned, and checksummed TCKs delivered to the IC for use in compliance and branding

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“EE.Next” Working Group

- Member driven
- Governance, budgeting
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Final Specs
and TCK

RI, TCK, Spec

- The key success factor will be in making this consortia sustainable for the long term
- Sustainable funding will be necessary to ensure success
- The EE.Next Steering Committee will determine budgets and funding in conjunction with Eclipse Foundation staff
- Recruitment of companies interested in the success and longevity of Java EE will be necessary as well
- Processes defined by the Eclipse Development Process and IP Policy

Creating a New Brand



- Open community process underway to select a new brand to replace “Java EE”
- Discussions ongoing on creating an Eclipse working group for member-led governance of specifications, brand, etc.



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