Java Community Process Executive Committee Meeting

March 21, 2025

Heather VanCura

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Roll Call

PMO		
Alibaba	Amazon	ARM
Azul Systems	BNY	Bellsoft
Deep Netts	Eclipse Foundation	Fujitsu
IBM	Intel	Japan JUG
JetBrains	MicroDoc	Microsoft
Oracle	SAP	SouJava

Members listed in blue have lost their voting privileges due to non-attendance

Members listed in red will lose their voting privileges if they do not attend this meeting

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EC Meeting Attendance

- EC members who miss two meetings in a row lose their voting privileges until they have attended one meeting.
- EC members who miss five meetings in a row or who miss two-thirds of the meetings in any 12-month period forfeit their seats.
  - NOTE: members who participate in face-to-face meetings by phone are officially counted as absent.
- See https://jcp.org/en/participation/attendance.

Agenda

- PMO Updates & Topics
- EC Stats, Java 25
- Java 24
- Open JDK Updates
- Java Ecosystem
- Java in Education
- Java & AI
- JUG updates – Japan & Brazil
- Host presentation
- 2025/2026 Calendar

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Personnel Changes

- Please check the EC-private and the public contact pages and report any necessary updates to the PMO.
- New Alternate for Fujitsu, Daishi Tabata
- http://www2.jcp.org/aboutJava/communityprocess/ec-private/ECContact.html
  - http://jcp.org/en/participation/committee#membership

Java Community Process (JCP) Program

Supplemental Statistics
11 February – 15 March 2025
Prepared for 21 March 2025

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JSR Updates

- JSR 400: JSR Iteration— Java SE 25; Oracle
- JSR 399: Public Review/Public Review Final Approval Ballot/Final Release – Java SE 24; Oracle (EC ballot 25 Feb – 3 Mar)
- JSR 221: Maintenance Release – JDBC 4.0 API Specification; Oracle
- JSR 269: Maintenance Release – Pluggable Annotation Processing API; Oracle
- JSR 199: Maintenance Release – Java Compiler API; Oracle

JSR Ballots

- JSR 399; Java SE 24; Public Review Final Approval Ballot approved
- 18 yes votes: Alibaba, amazon.com web services, ARM, Azul Systems, BNY, Bellsoft, Deep Netts, Eclipse Foundation, Fujitsu, IBM, Intel, Japan JUG, JetBrains, MicroDoc, Microsoft, Oracle, SAP, SouJava

JSR 400:

Iris Clark

Specification Lead
iris.clark@oracle.com
March 21, 2025

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JSR 400: Java SE 25

Specification

- Latest: https://cr.openjdk.org/~iris/se/25/latestSpec (TBD)
- Public Review to begin June/July

Reference Implementation (RI) – JDK 25

- Latest: https://jdk.java.net/25 (build 15)
- Repository: https://github.com/openjdk/jdk
- Ongoing JDK development
  - Rampdown Phase 1 (RDP1) expected in June
- 1 Targeted SE JEP; 1 Proposed to Target JDK JEP
- 44 approved SE CSRs; 8 provisional SE CSRs
- General Availability (GA): Sep 2025

Technology Compatibility Took Kit (TCK) – JCK 25

- First promotion published

Schedule

2024/12
Expert Group Formation

2025/06– 2025/08
Public Review

2025/08 – 2025/09
Public Review –
Final Approval Ballot

2025/09
Final Release

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Expected changes in Java SE 25 (so far)

- **44 Approved Compatibility & Specification Review (CSR) Requests**
- https://bugs.openjdk.org/issues/?filter=46522

1 JSR Maintenance Release

269: Pluggable Annotations Processing API [MR 19]

0 Removed APIs

- **8 Terminally Deprecated APIs Added**
- `java.lang.management.ManagementPermission` (25)
- `javax.management.MBeanPermission` (25)
- `javax.management.MBeanServerPermission` (25)
- `javax.management.MBeanTrustPermission` (25)
- `javax.management.remote.SubjectDelegationPermission` (25)
- `javax.management.modelmbean.DescriptorSupport(String)` (25)
- `javax.management.modelmbean.DescriptorSupport .toXMLString()` (25)
- `javax.management.modelmbean.XMLParseException` (25)

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Resources

- https://openjdk.org/projects/jdk/25/spec/
  - https://jcp.org/en/jsr/detail?id=400
  - JEPs: https://bugs.openjdk.org/secure/Dashboard.jspa?selectPageId=23201
  - CSRs: https://bugs.openjdk.org/secure/Dashboard.jspa?selectPageId=23200
  - https://mail.openjdk.org/mailman/listinfo/java-se-spec-experts
  - https://jdk.java.net/25/
- https://mail.openjdk.org
- https://github.com/openjdk/jdk

Membership Report

- 506 Associate Membership Agreements
- 64 Partner Membership Agreements
- 157 individual JSPAs
- 150 corporate JSPAs
- 22 non-profit JSPAs
- Total 942 Members (was 873)

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JCP Awards

EC Ballot in February

Awards to be presented at JCP event on March 18 at 7 pm

https://jcp.org/en/press/news/awards/2024awards

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Java SE 25 Update

Iris Clark

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Java 24

Alex Buckley

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OpenJDK Project Loom Updates

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Java Ecosystem Working Group

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Java Ecosystem Working Group – 3rd Party Tools/Libraries

Starting in April 2023 EC Meeting, discussion of Java Ecosystem
https://jcp.org/aboutJava/communityprocess/ec-public/materials/2023-04-12/JCP_Java_SE_Update_April_2023.pdf

JEP14: Informational JEP on Tip & Tail Development: https://openjdk.org/jeps/14

Working Group discussions

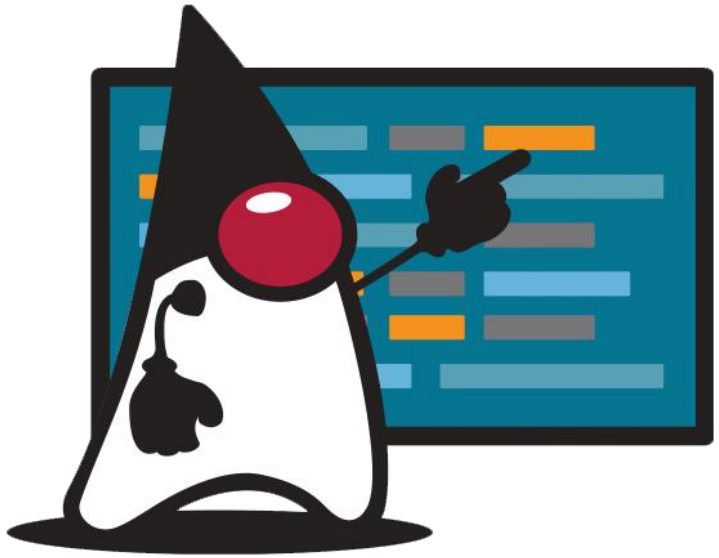
https://github.com/jcp-org/Java-Ecosystem-JCP-Working-Group/wiki/Java-Ecosystem-JCP-Working-Group

The world is ready for the ecosystem of Java libraries, frameworks, and tools to embrace a delivery model similar to that of the JDK. Tip development, with LTS offerings. By making this shift, library vendors can realize exactly the same kind of benefits that we have achieved for the Java platform itself. What's more, this will further strength and extend the viability of Java overall.

Next Steps and Action Items

- Outreach to community, promote importance of adoption in your company, educate/assist maintainers
- Spread the word about Java Ecosystem, adoption and tip & tail
  - Next discussion March 18 during JavaOne (Tuesday)

Java in Education



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Use Images

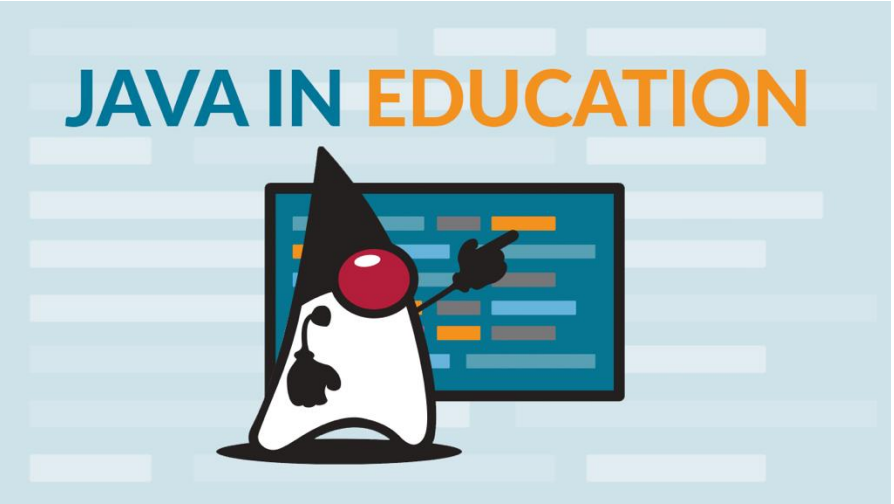
https://jcp.org/en/ec/my#jcp_ec_logo

JUG Leader Initiative Component

JUG leader resources and sharing experiences

Ongoing discussions with JUG Leaders

https://jcp.org/java-in-education



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Updated materials

- How & Why to Learn Java - updated for Java SE 23
- Modern Java Features - updated for Java SE 23/24 upcoming
- Workshop for students - How to use Java with ML/AI w/Visual Rec/ChatGPT (JSR 381)
- Day in the Life examples - IBM, Oracle
- Examples of JUGs bringing students to their communities

Next Steps and Action Items

- EC Members - use new social media template to promote importance and need for Java developers
- Spread the word about Java in Education for JUG leaders
- groups.io list: https://groups.io/g/EducationInJava
  - Next discussion w/ JUGs March 18 (Tuesday) during JavaOne

Java & AI

Zoran Sevarac

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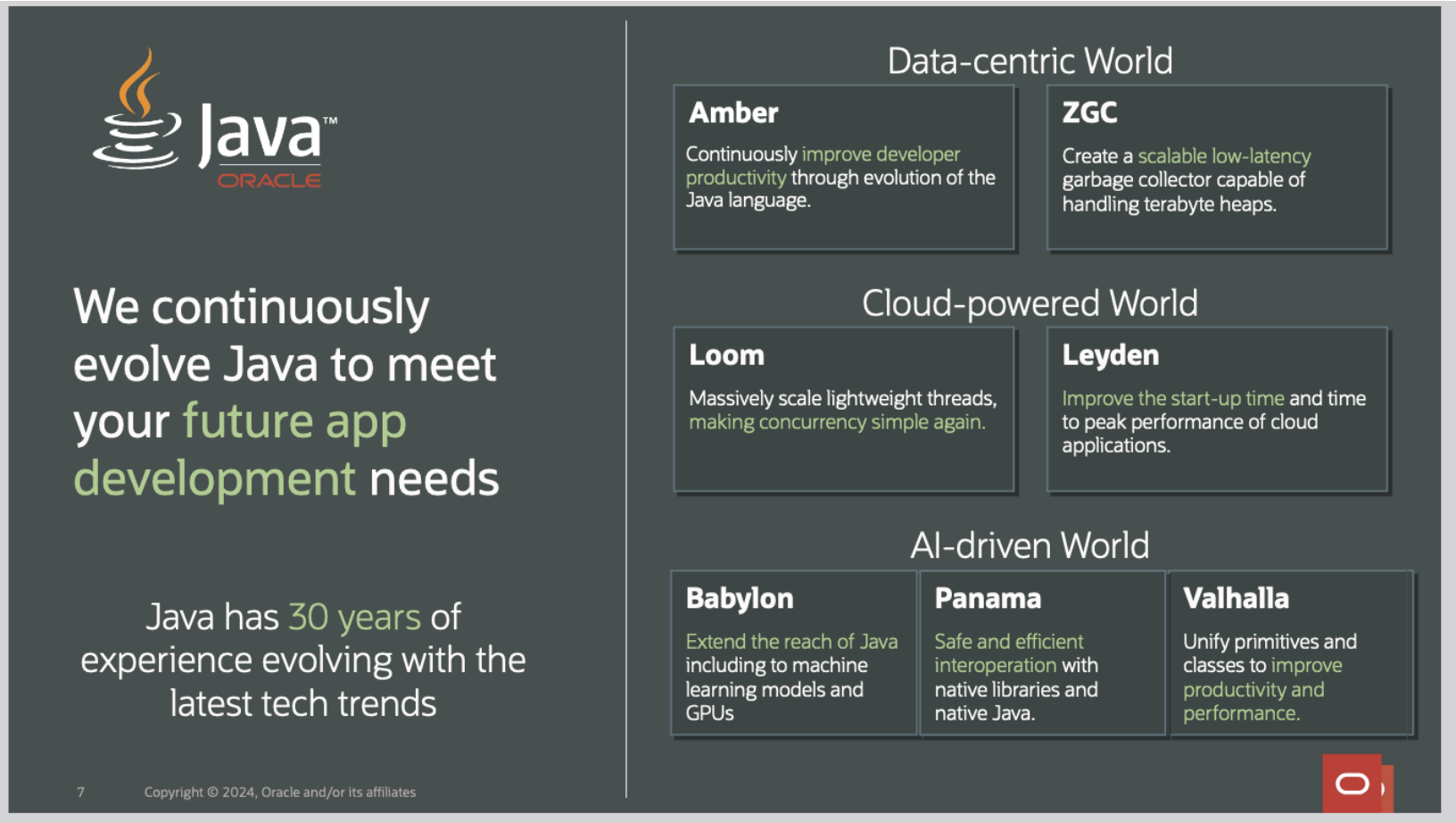
Java & AI

- From October JCP EC F2F Meeting Discussion



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Working Group Goals

- **Promote and share** information about AI related work in Java ecosystem
- **Create awareness** of what is happening in Open JDK and Java community related to AI
- **Support existing community efforts** related to AI
- **Create channels for collaboration and communication** between stakeholders related to AI in Java ecosystem
- **Get feedback** about AI support in Java

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Part 2

- Understand requirements, use cases and expectations for AI in Java in order to drive Java ecosystem development.
- Change perceptions of Java as legacy technology
- Discuss ‘Use AI from Java’ vs. ‘Use Java to build AI’ strategy, and how to position Java in AI ecosystem with wider community participation
- Java ecosystem already has all the components and capacity to solve incoming AI challenges, WG would help focus and coordinate all stakeholders

Java User Group Updates

Japan (Shin Tanimoto)

Brazil (Bruno Souza)

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Host update - Oracle

Georges Saab

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March 18-20, 2025
Redwood Shores, CA

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2025 EC Meeting Dates

- February 11 (Teleconference) 8 - 10 am PST
- March 21 (Face to Face Bay Area) Oracle
- June 10 (Teleconference - public) 8 am - 10 am PDT
- August 12 (Teleconference) 8 am - 10 am PDT
- October 10 (Face to Face Cambridge) Arm
- December 9 (Teleconference - public) 8 -10 am PST

Calendar Discussion

- EC Face to Face Meetings in 2026
  - Microsoft (?) hosts in Japan (June)?
  - TBD in Europe (October)?
- EC Meetings in 2025
- Face to Face Locations - Europe and North America
  - Oracle hosts in Bay Area (March)
  - Arm hosts in Cambridge (October)

Next Meeting

10 June 8 -10 am (second hour is public)

Online only

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Thank you!

http://jcp.org

https://twitter.com/jcp_org

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