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Java Community Process Executive Committee Meeting

December 9, 2025

Heather VanCura



Java Community Process





Agenda

- PMO Updates & Topics
- EC Stats
- Java Ecosystem WG
- Java in Education WG
- Java & AI WG
- JavaOne 2026
- Java 26
- Calendar

Roll Call

PMO		
Alibaba	Amazon	ARM
Azul Systems	BNY	Bellsoft
Deep Netts	Eclipse Foundation	Fujitsu
IBM	Intel	Ixchel Ruiz
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

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>.

Personnel Changes

- Please check the EC-private and the public contact pages and report any necessary updates to the PMO.
- Georges Saab, becomes primary representative for Oracle
- Ixchel Ruiz, new JCP EC Member representative
- <http://www2.jcp.org/aboutJava/communityprocess/ec-private/ECContact.html>
 - <http://jcp.org/en/participation/committee#membership>

EC Elections 2025

- Results published; 23% voter turnout
- <https://jcp.org/en/whatsnew/elections>
- Ratified: ARM, Fujitsu, IBM, Intel, SouJava
- Elected: Amazon, Azul
- Associate: Ixchel Ruiz (new)

JCP Awards



EC Ballot in February

Awards to be presented at JCP event during JavaOne

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

JCP Award Nominations Open

Member/Participant of the Year

Java in Education Community Award

<https://jcp.org/en/awards/nomination>



<https://jcp.org/en/press/news/awards>

Java Community Process (JCP) Program

Heather VanCura

- Supplemental Statistics
- 3 October – 9 December 2025
- Prepared for 9 December 2025

JSR Updates

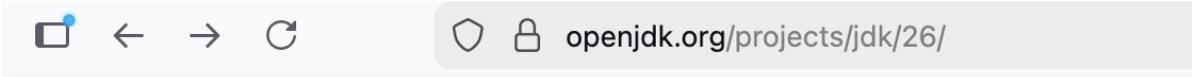
- JSR 402: JSR Iteration — Java SE 27; Oracle
- JSR 401: Expert Group Formation – Java SE 26; Oracle
- JSR 221: Maintenance Review – JDBC 4.0 API Specification; Oracle (EC ballot 2-8 December)

JSR Ballots

- JSR 221: JDBC 4.0 API Specification; Maintenance Review Ballot approved
- 18 yes votes: Alibaba, [amazon.com](https://www.amazon.com) web services, ARM, Azul Systems, BNY, Bellsoft, Deep Netts, Eclipse Foundation, Fujitsu, IBM, Intel, Ixchel Ruiz, JetBrains, MicroDoc, Microsoft, Oracle, SAP, SouJava

JSR Updates

- JSR 401:Java SE 26; Oracle



OpenJDK

- Installing
- Contributing
- Sponsoring
- Developers' Guide
- Vulnerabilities
- JDK GA/EA Builds
- Mailing lists
- Wiki · IRC
- Mastodon
- Bluesky
- Bylaws · Census
- Legal
- Workshop**
- JEP Process**
- Source code**
- GitHub
- Mercurial
- Tools**
- Git
- jtreg harness
- Groups**
- (overview)
- Adoption
- Build
- Client Libraries
- Compatibility & Specification Review
- Compiler
- Conformance
- Core Libraries
- Governing Board
- HotSpot
- IDE Tooling & Support
- Internationalization
- JMX
- Members
- Networking
- Porters
- Quality
- Security
- Serviceability
- Vulnerability
- Web
- Projects**
- (overview, archive)
- Amber
- Babylon
- CRaC
- Code Tools
- Coin
- Common VM

JDK 26

This release will be the Reference Implementation of version 26 of the Java SE Platform, as specified by JSR 401 in the Java Community Process.

Status

JDK 26 is in **Rampdown Phase One**. The overall feature set is frozen. No further JEPs will be targeted to this release.

The stabilization branch, `jdk26`, is open for select bug fixes and, with approval, late enhancements per the [JDK Release Process \(JEP 3\)](#). Integrate most stabilization changes via backports from the main line.

- [RDP 1 candidate bugs](#)
- [Bug-Deferral Process](#)
- [Late-Enhancement Request Process](#)

Schedule

2025/12/04	Rampdown Phase One (branch from main line)
2026/01/15	Rampdown Phase Two
2026/02/05	Initial Release Candidate
2026/02/19	Final Release Candidate
2026/03/17	General Availability

Features

- 500: Prepare to Make Final Mean Final
- 504: Remove the Applet API
- 516: Ahead-of-Time Object Caching with Any GC
- 517: HTTP/3 for the HTTP Client API
- 522: G1 GC: Improve Throughput by Reducing Synchronization
- 524: PEM Encodings of Cryptographic Objects (Second Preview)
- 525: Structured Concurrency (Sixth Preview)
- 526: Lazy Constants (Second Preview)
- 529: Vector API (Eleventh Incubator)
- 530: Primitive Types in Patterns, instanceof, and switch (Fourth Preview)

Java SE 26

March 17-19, 2026
Bay Area, CA



Java Ecosystem Working Group



JUnit 5



JAXB

jackson



ASM



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](https://jcp.org/aboutJava/communityprocess/ec-public/materials/2023-04-12/JCP%20Java%20SE%20Update%20April%202023.pdf)

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

Working Group discussions

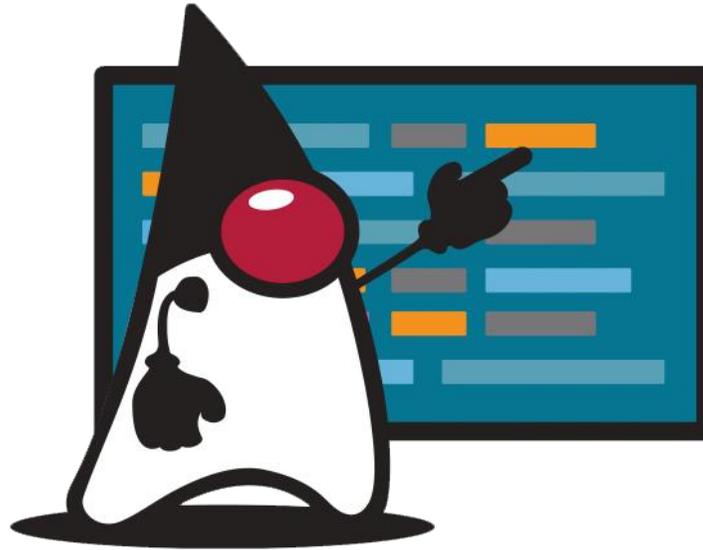
<https://github.com/jcp-org/Java-Ecosystem-JCP-Working-Group/wiki/Java-Ecosystem-JCP-Working-Group>

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
- Wiki updated and discussion list set up; in September meeting discussed doing more maintainer updates virtually and in person events throughout the year
 - Jfokus, JavaOne
 - Next discussion February

Java in Education



Working Group Discussions

Bridge the gap between students and industry

Industry needs Java developers; students need connections/skills

Utilize existing programs for students and raise awareness - Oracle Academy, Oracle University

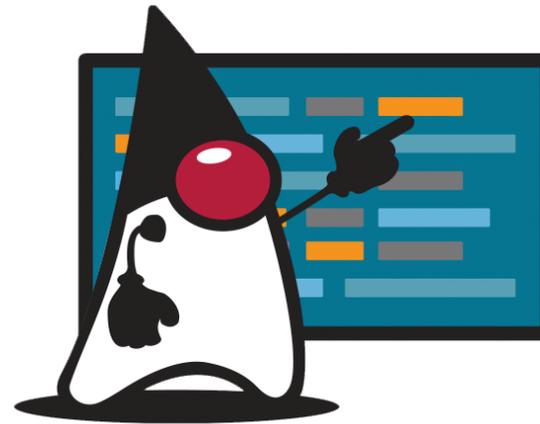
Enable JUG leaders around the world to connect with Universities

Best practices, tools, support for building relationships: bring next generation of Java developers

Speaking points around myths about Java development - JUGs are ideal for networking/learning

Use Images

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

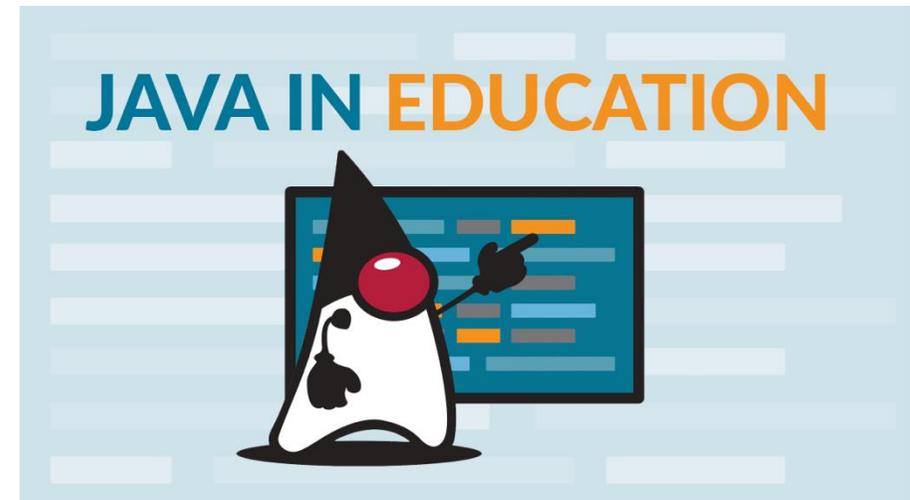


JUG Leader Initiative Component

JUG leader resources and sharing experiences

Ongoing discussions with JUG Leaders

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



Updated materials

- How & Why to Learn Java - updated for Java SE 25
- Modern Java Features - updated for Java SE 25
- 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](https://groups.io/g/EducationInJava) list: <https://groups.io/g/EducationInJava>
 - Part 2 of JEPs to simplify Teaching Java Article
 - Developer focus session for conferences
 - How to build AI Skills for students/developers
 - Next discussion w/ JUGs January 6

Java & AI

<https://github.com/jcp-org/Java-and-AI-Working-Group/wiki/Java-and-AI-Working-Group>

Java & AI



We continuously evolve Java to meet your **future app development** needs

Java has **30 years** of experience evolving with the latest tech trends

Data-centric World

Amber

Continuously improve developer productivity through evolution of the Java language.

ZGC

Create a scalable low-latency garbage collector capable of handling terabyte heaps.

Cloud-powered World

Loom

Massively scale lightweight threads, making concurrency simple again.

Leyden

Improve the start-up time and time to peak performance of cloud applications.

AI-driven World

Babylon

Extend the reach of Java including to machine learning models and GPUs

Panama

Safe and efficient interoperation with native libraries and native Java.

Valhalla

Unify primitives and classes to improve productivity and performance.



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

Next Steps

- Finalize presentation with JUG leader feedback
- Create FAQ/Primer for delivering presentation
- Create and post prompts on related project mailing lists
- Invite JUG leaders to share presentation
- Next Working Group Meeting January 13

JVMLS 2025 Recordings

<https://openjdk.org/projects/mlvm/jvmlangsummit/>

- JVM Language Summit August 4-6 2025 (watch videos on Java YouTube Channel)
- Oracle Auditorium
- Santa Clara, California, USA

Calendar Discussion

- EC Face to Face Meetings in 2026
 - Microsoft (?) hosts 20 March in California
 - SAP hosts 2 October in Germany

2026 Proposed EC Meeting Dates

- February 10 (Teleconference) 8 - 10 am PST
- March 20 (Face to Face US) Microsoft Host (?)
- April 14 (Teleconference) 8-10 am PDT
- June 9 (Teleconference - public) 8-10 am PDT
- August 11 (Teleconference) 8 am - 10 am PDT
- October 2 (Face to Face Germany) SAP Host
- December 8 (Teleconference - public) 8 -10 am PST

Face to Face events from October in person

- 3 October JCP EC Meeting (all day at Arm office) - attendance required
- 6 October London Faculty Day, LJC Round Table JUG Meeting
- 8 October Devovx Belgium BoF
- 9 October Lille JUG
- 10 October Lille Faculty Day, Student Workshops

Next Meeting

9 June 8-10 am

Virtual only

Second Hour is Public

Thank you!

<http://jcp.org>

https://x.com/jcp_org