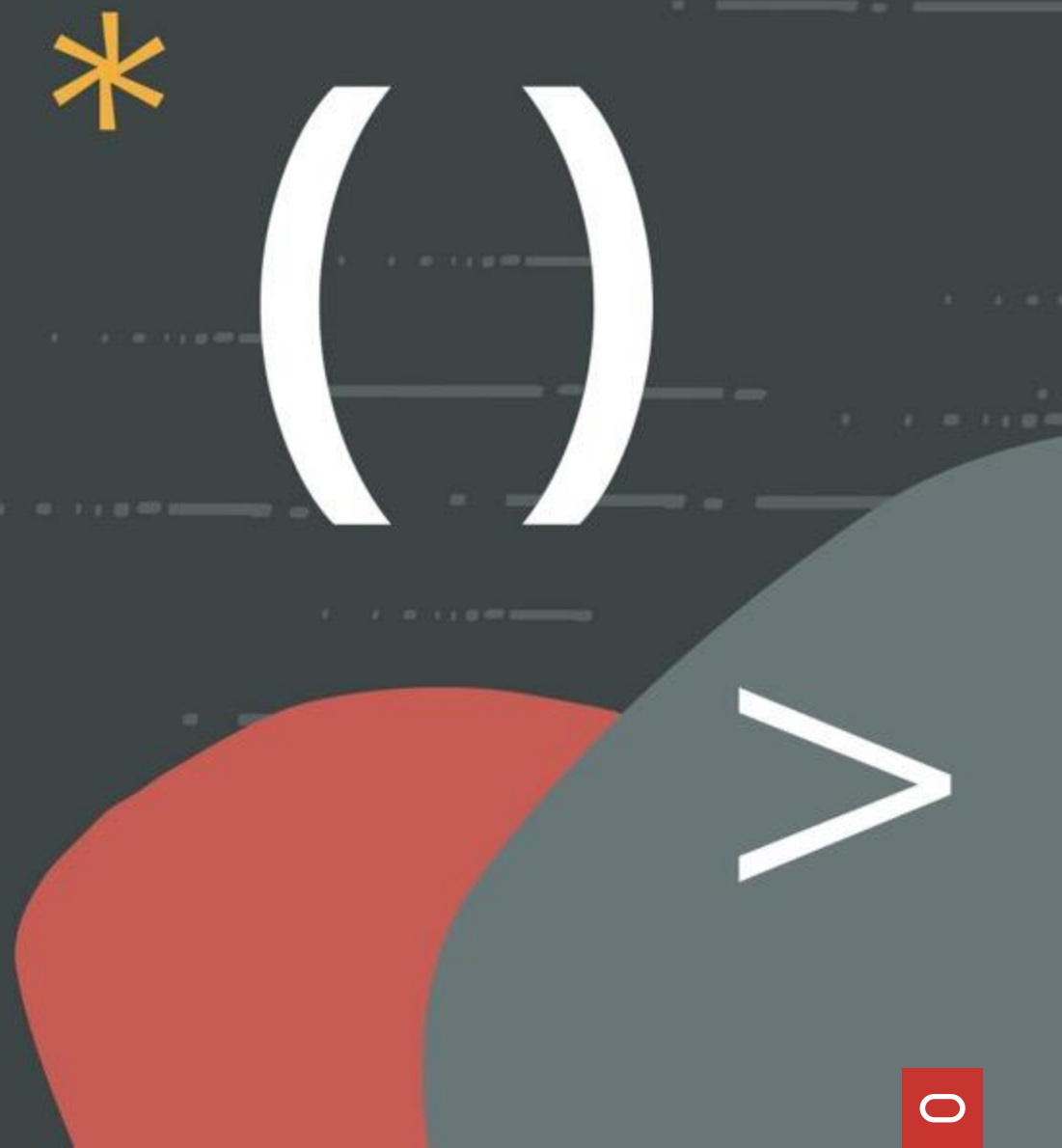
ORACLE

How to Contribute to OpenJDK Projects



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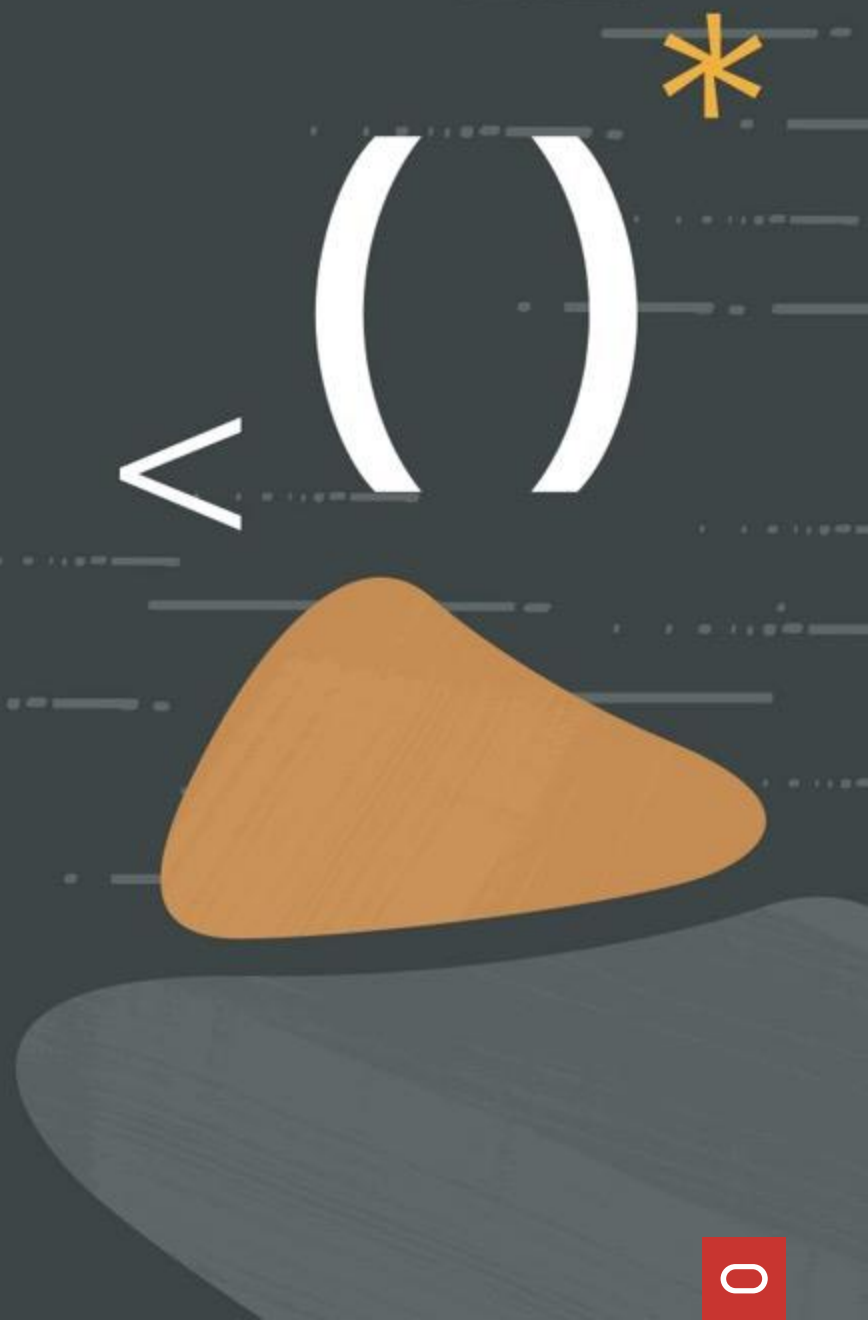
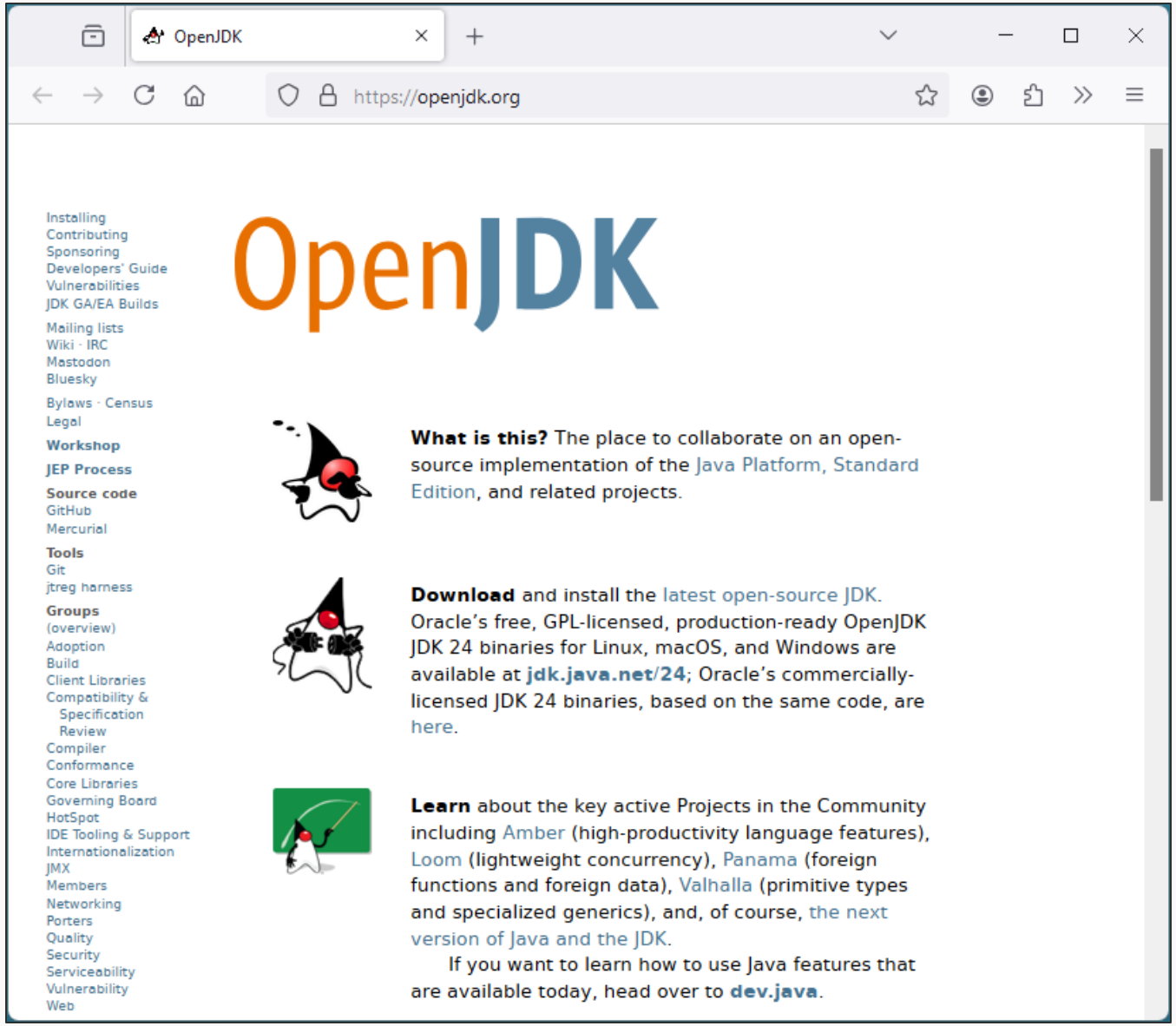
Java Platform Group
Oracle
June / August 2025

How to Contribute to OpenJDK Projects

1. Structure of OpenJDK
2. Contributing to OpenJDK
3. Practical steps for contributing

1. Structure of OpenJDK





Founded 2006

An association of developers

Produces an open-source implementation of the Java SE Platform

Source code only, no binaries

Has a Governing Board
(Roughly similar to the EC)

"A place, not a thing"
Work happens *in* OpenJDK
The OpenJDK 21 does not exist

Organizing principle:
  Groups (20) + Projects (54)

Groups sponsor Projects

Projects have roles:
  Author
  Committer
  Reviewer
  Project Lead

Projects have repositories

Most actions require public votes

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 Interface
Developers' Guide
Device I/O
Duke
Galahad
Graal
IcedTea
JDK 8 Updates
JDK 9
JDK (..., 23, 24, 25)
JDK Updates
JMC
Jigsaw
Kona
Kulla
Lanai
Leyden
Lilliput
Locale Enhancement
Loom
Memory Model Update
Metropolis
Multi-Language VM
Nashorn
New I/O
OpenJFX
Panama
Penrose
Port: AArch32
Port: AArch64
Port: BSD
Port: Haiku
Port: Mac OS X
Port: MIPS
Port: Mobile
Port: PowerPC/AIX
Port: RISC-V
Port: s390x
SCTP
Shenandoah
Skara
Sumatra
Tsan
Valhalla
Verona
VisualVM
Wakefield
Zero
ZGC

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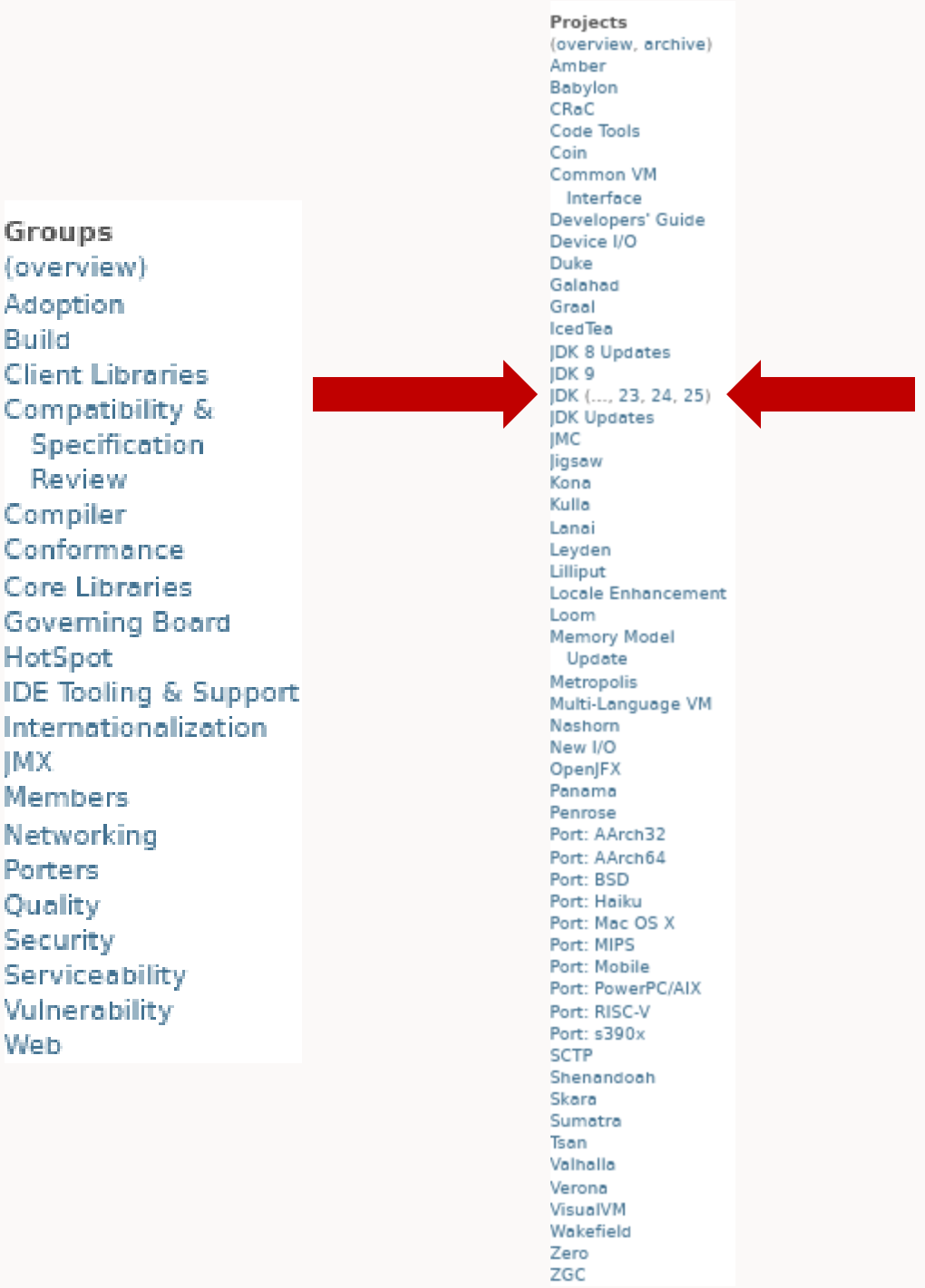
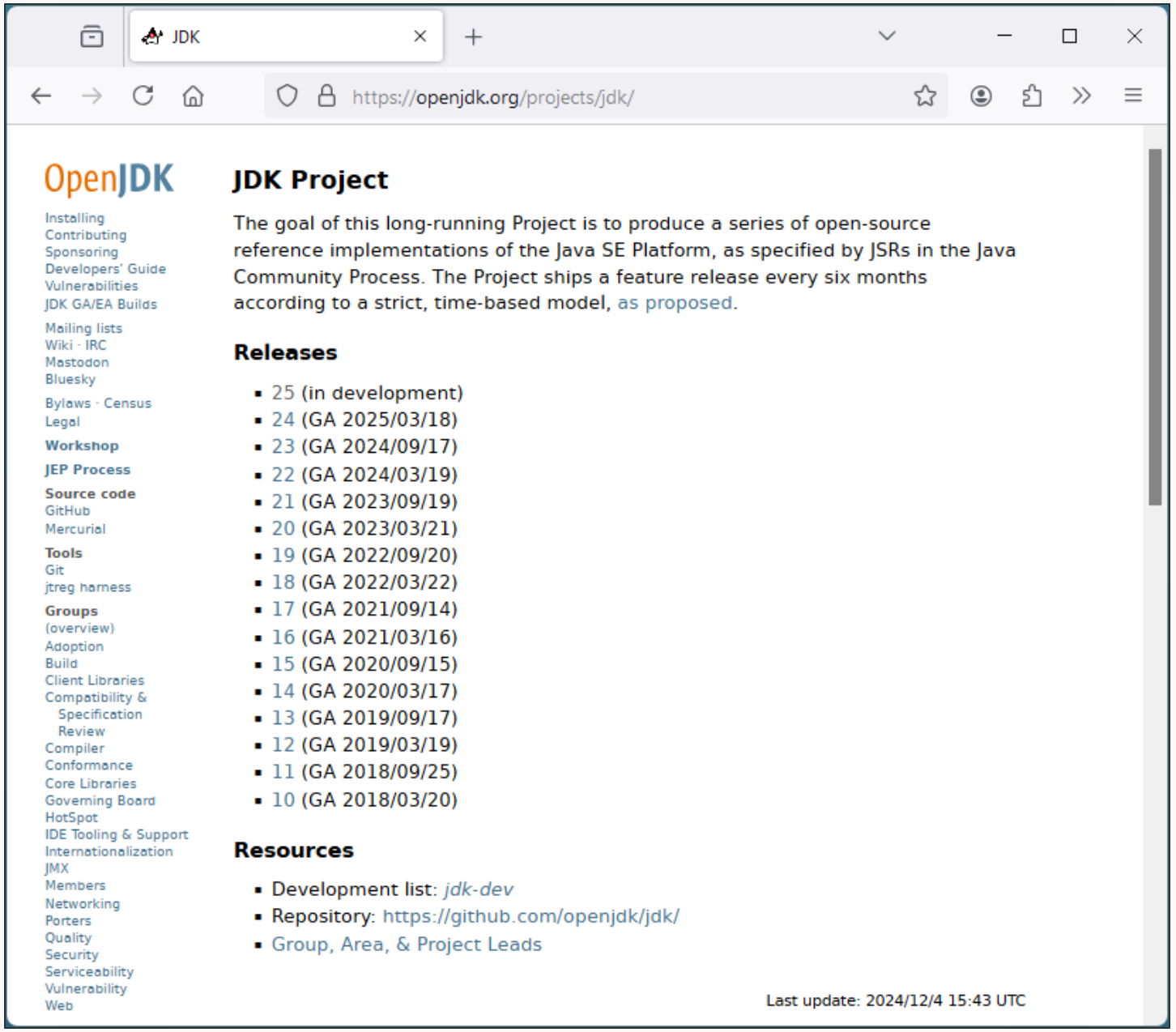
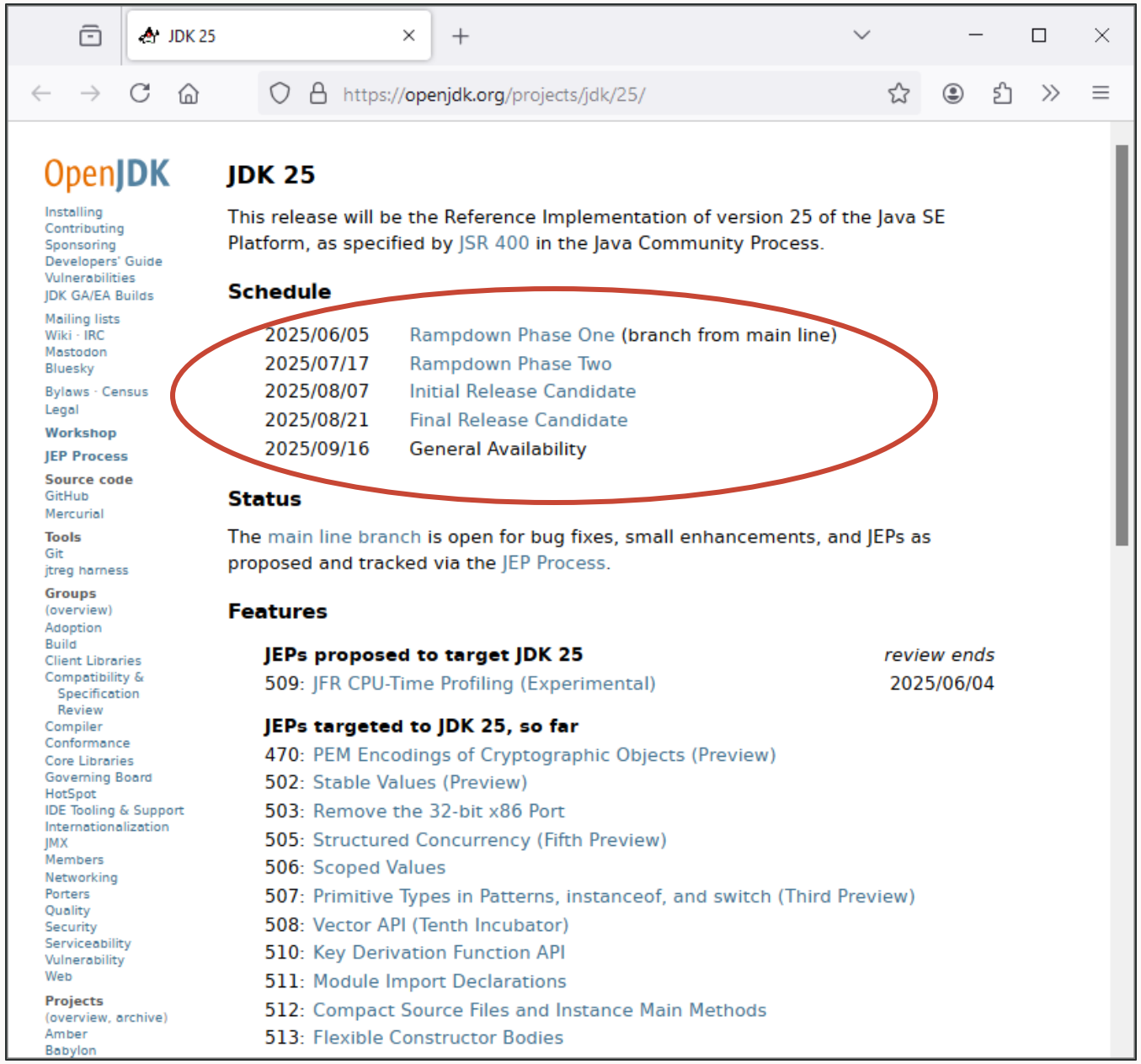
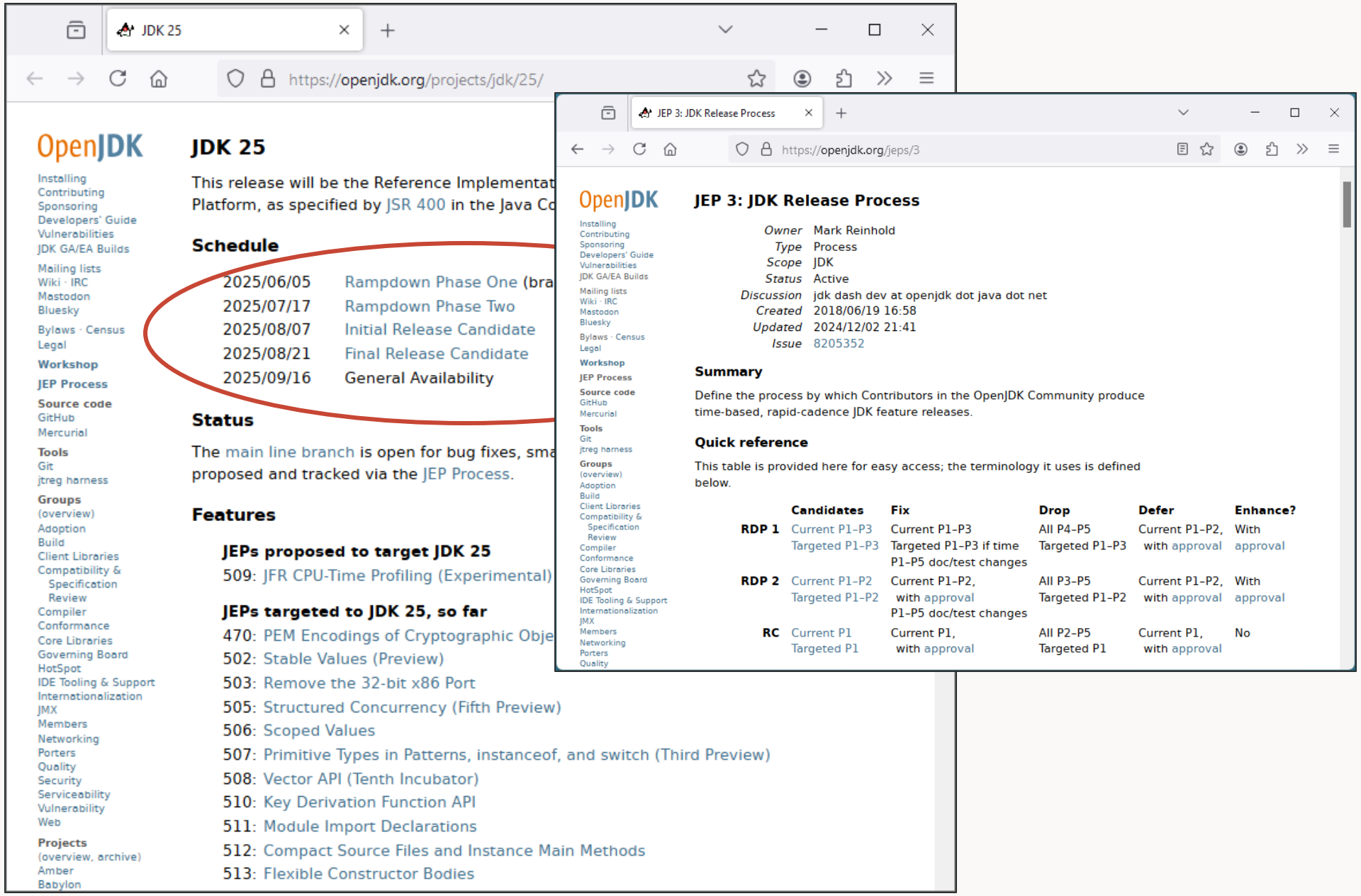
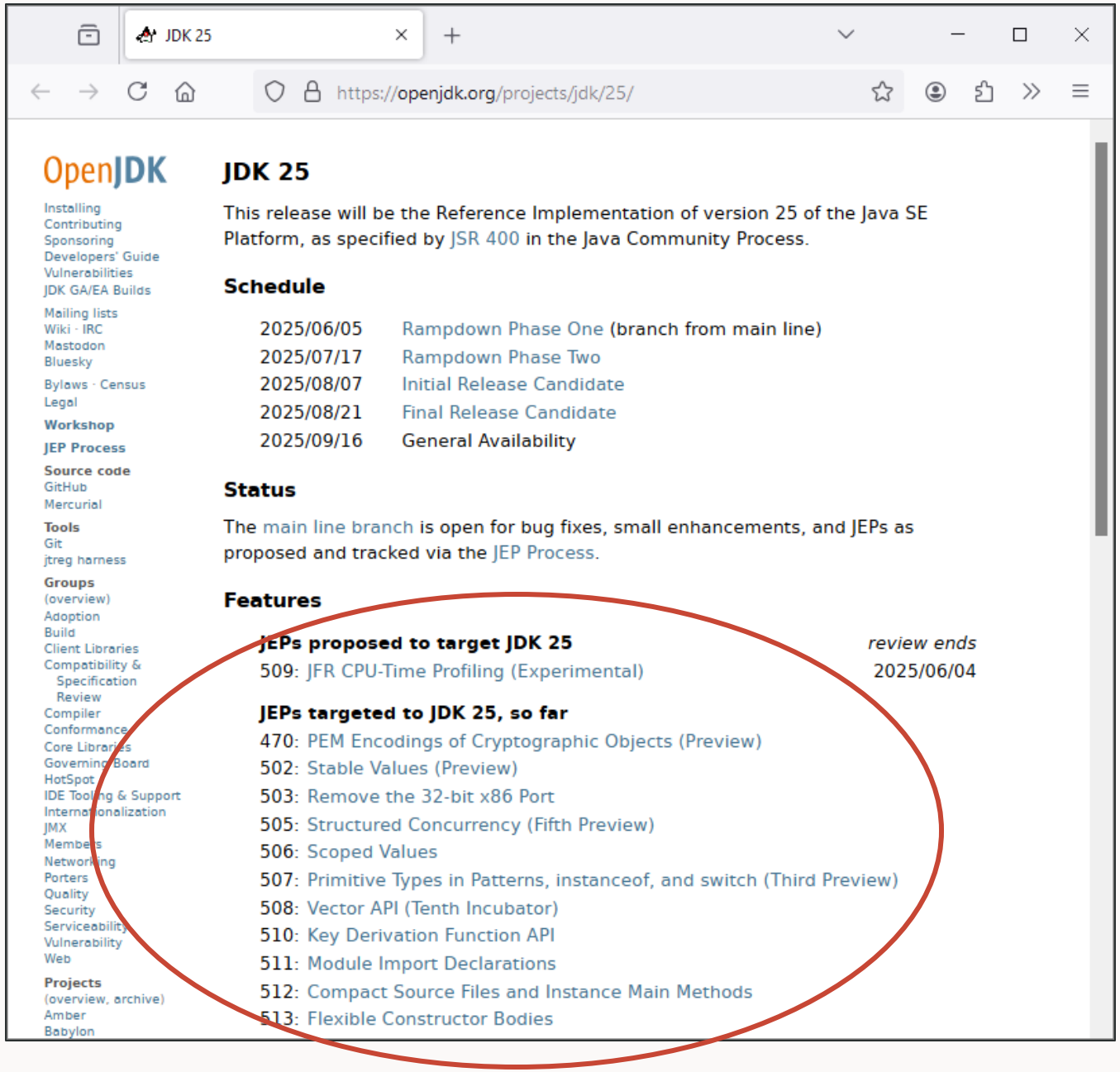
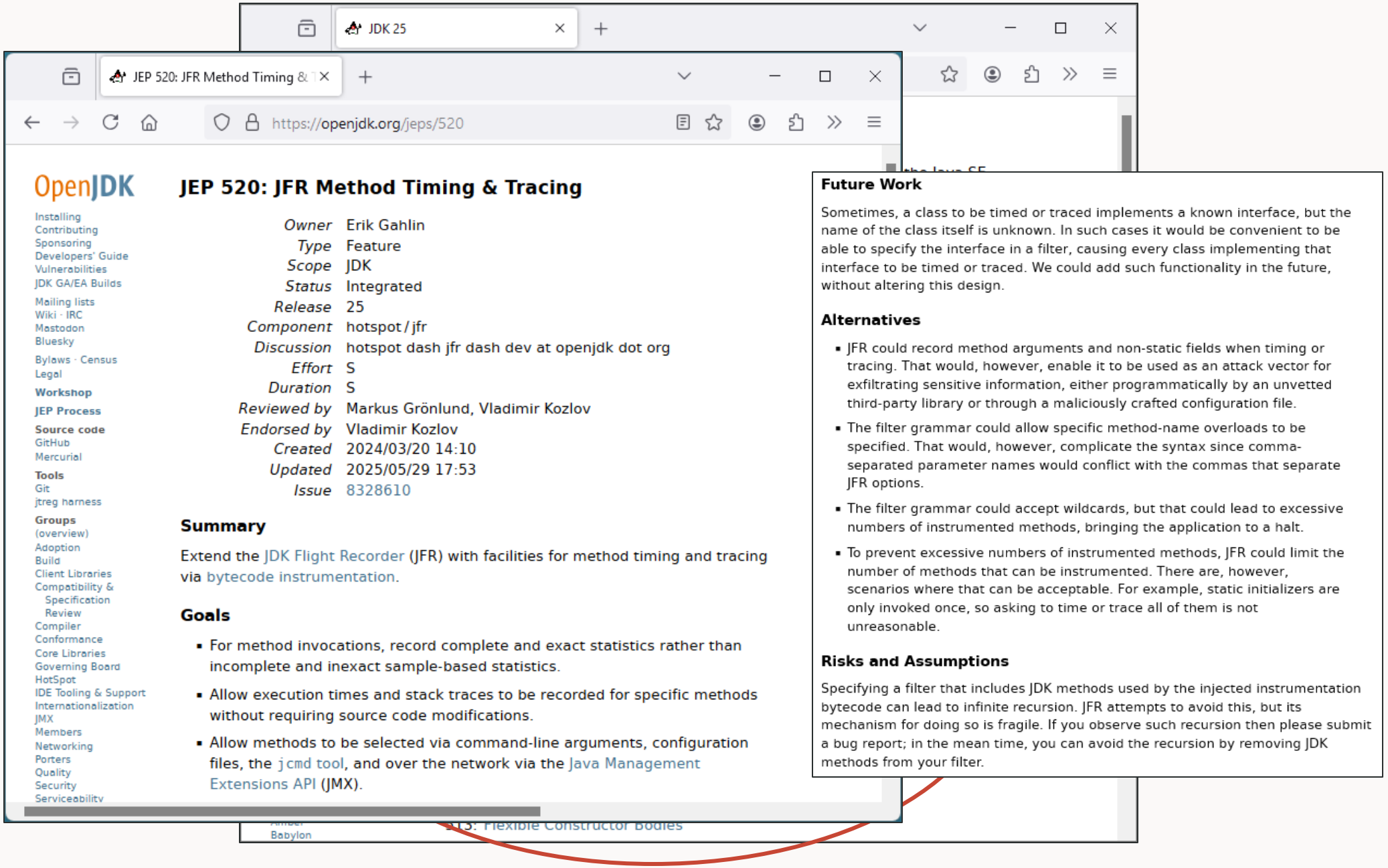




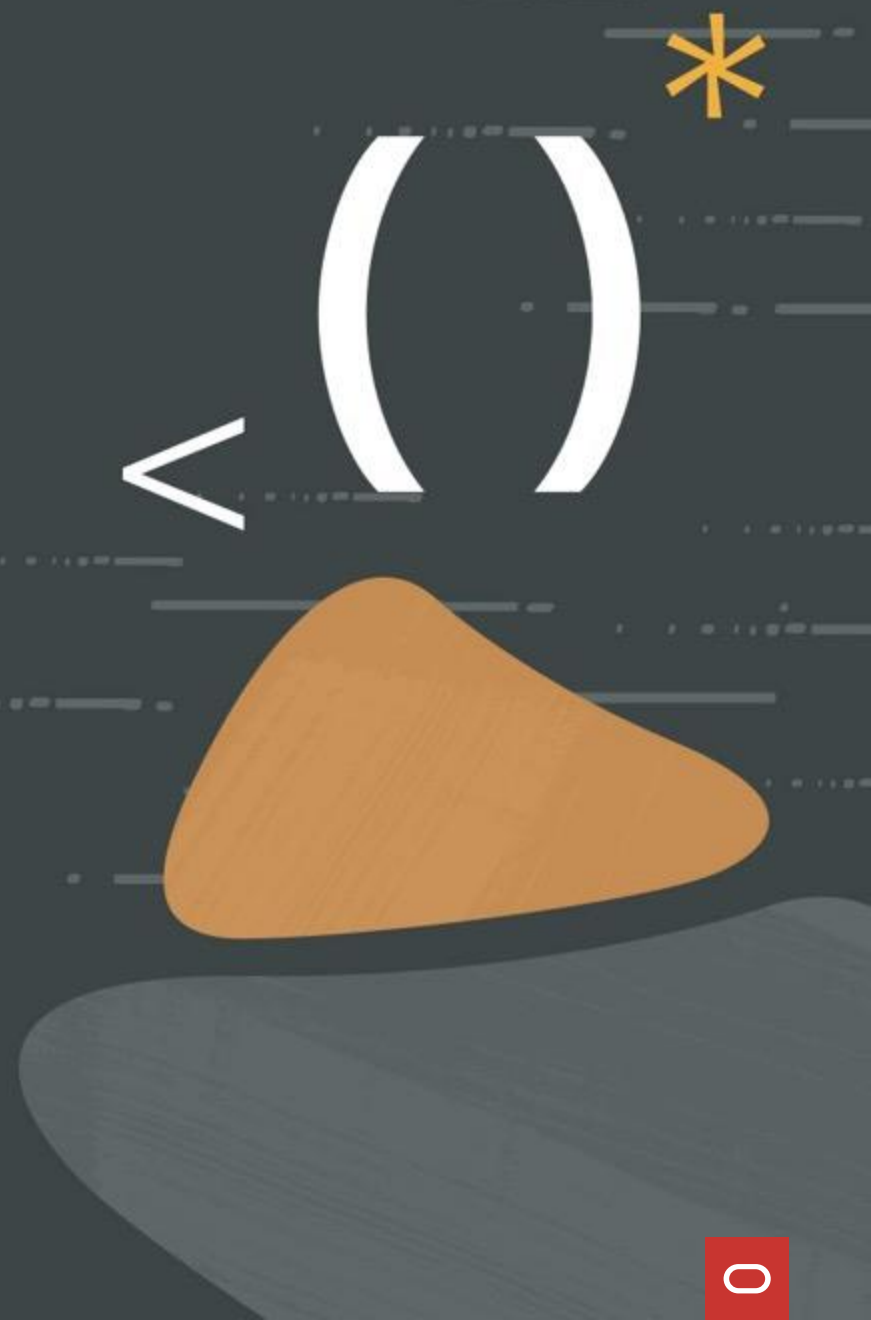




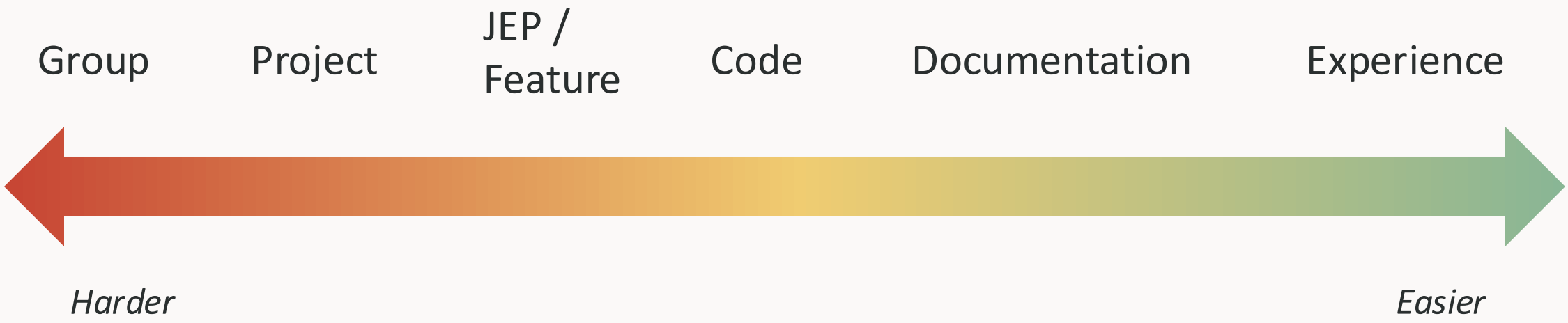




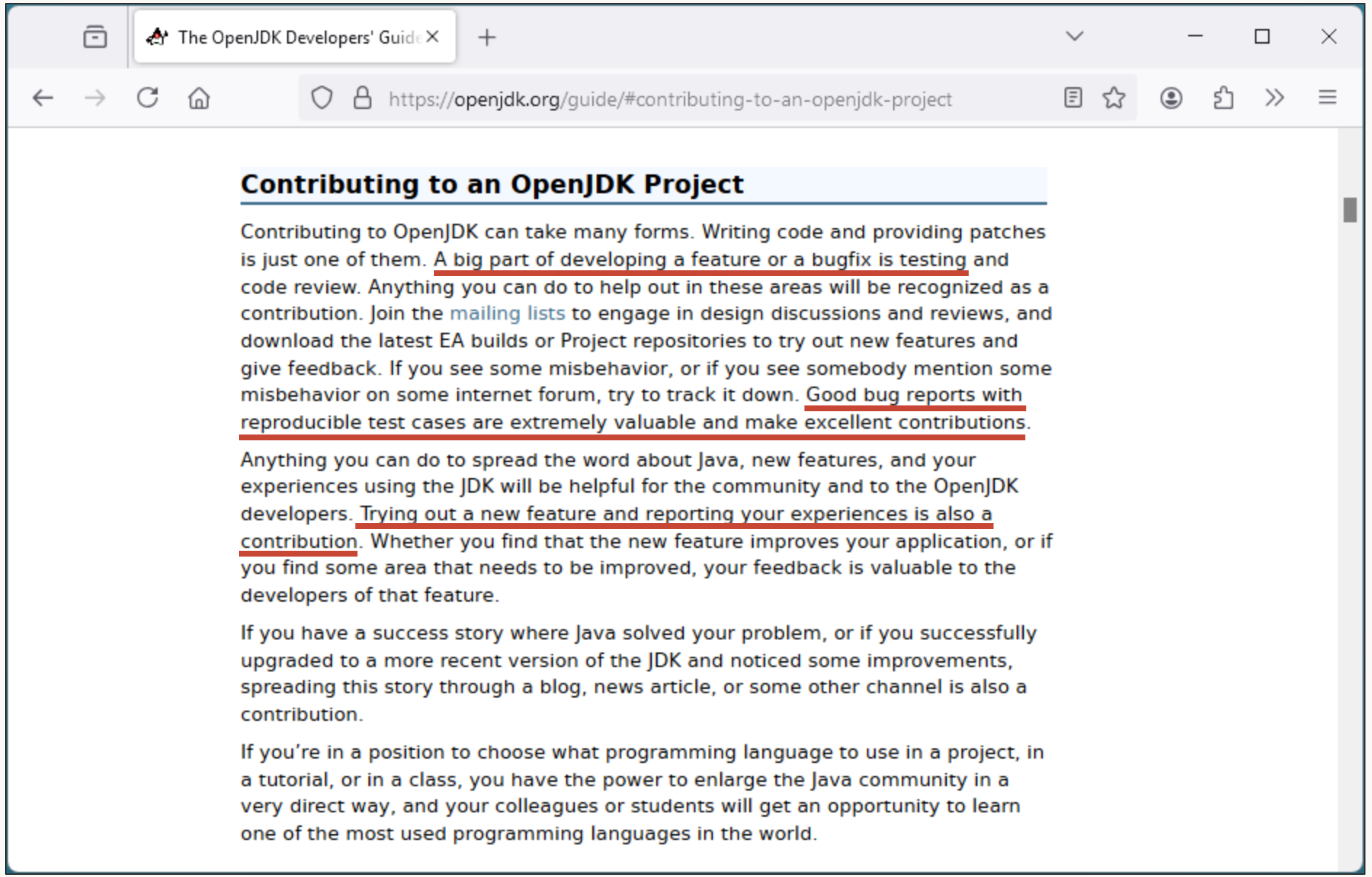
2. Contributing to OpenJDK



Different kinds of contribution



Reporting your experience is the most valuable contribution you can make



What experiences should you report?

Bug report

Constructive critiques about usability

Test case

Build problem

Performance/benchmarking

Ease/difficulty of migrating your code

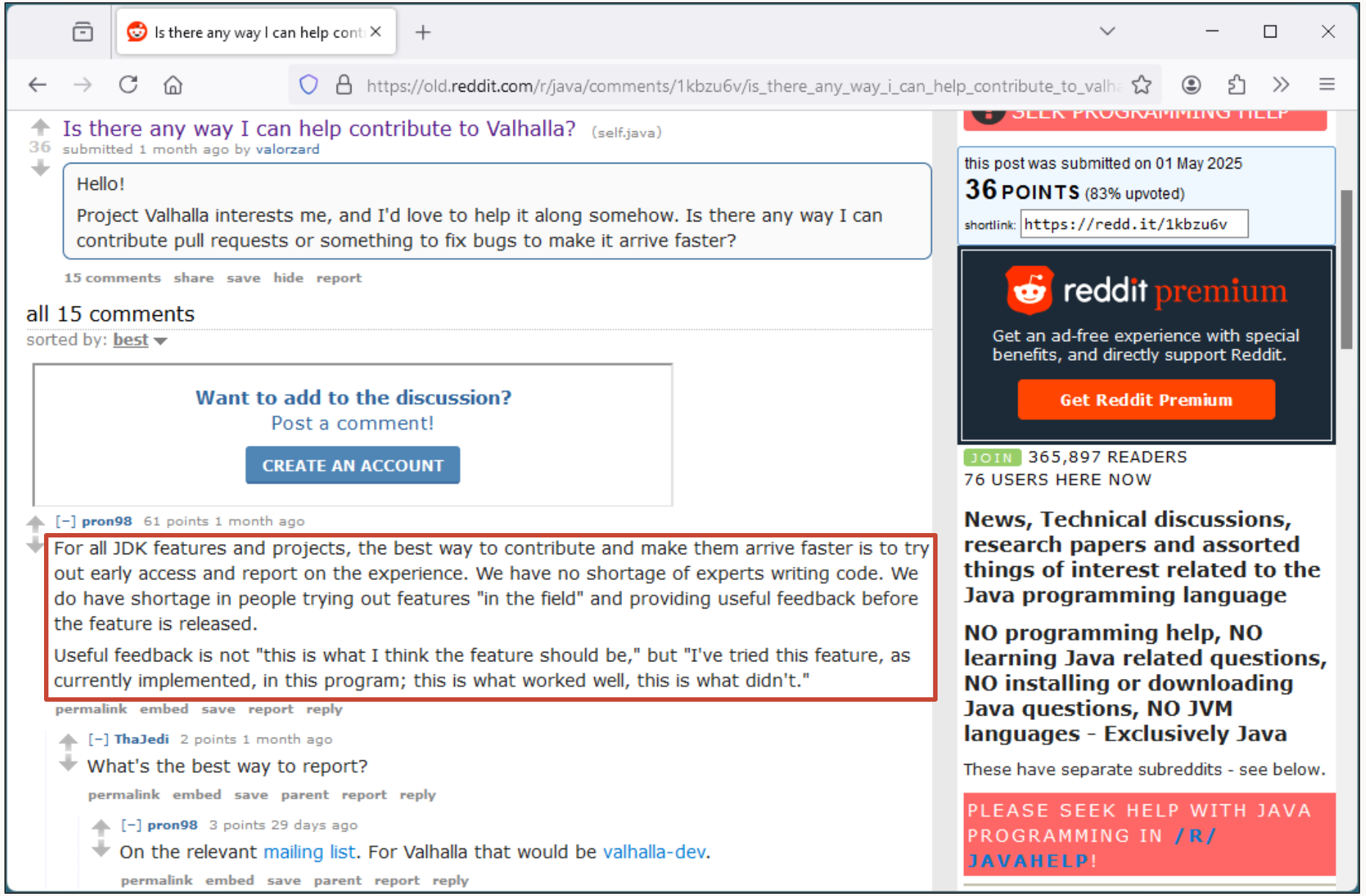
Error/typo in javadoc

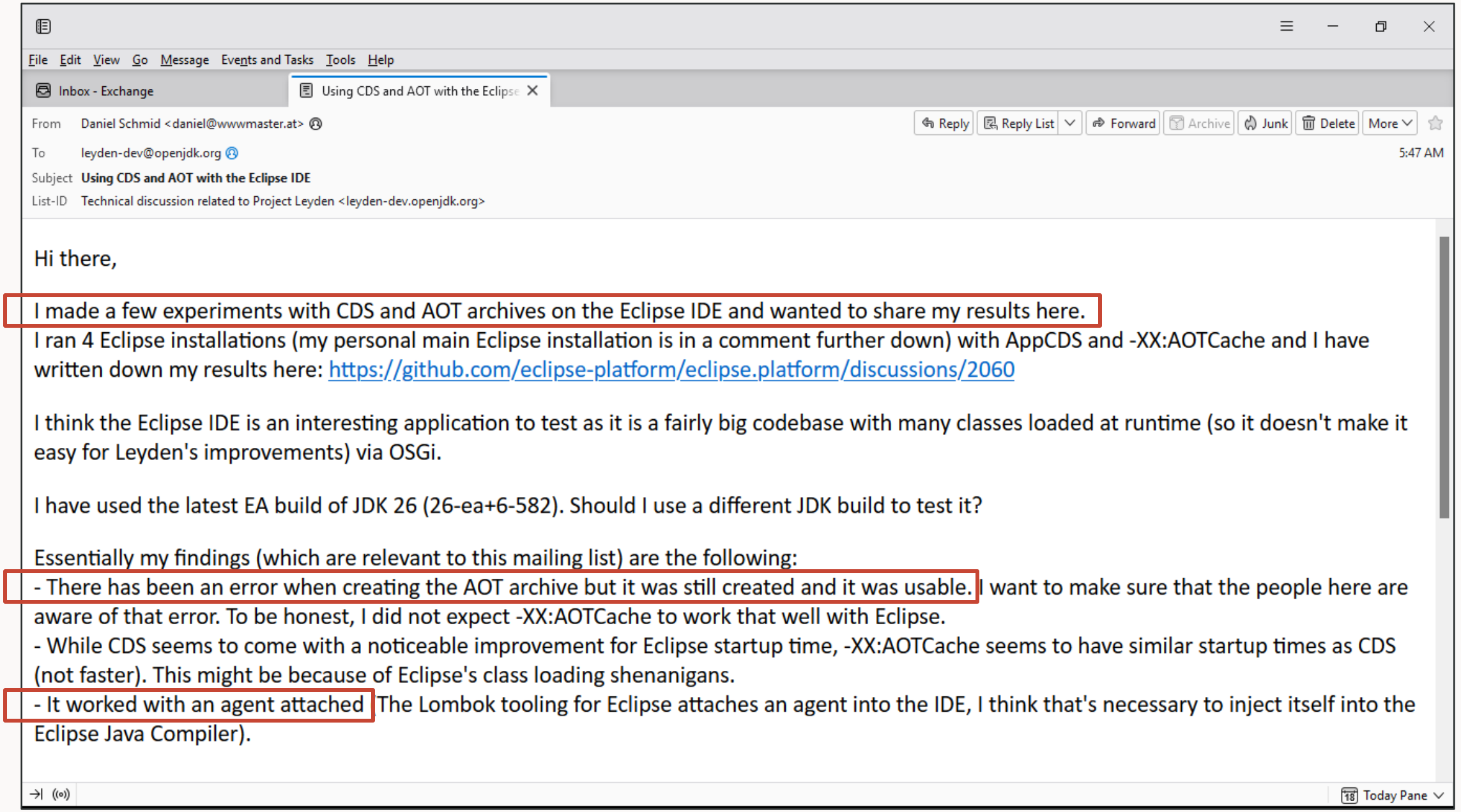
Discrepancy between JEP and JDK

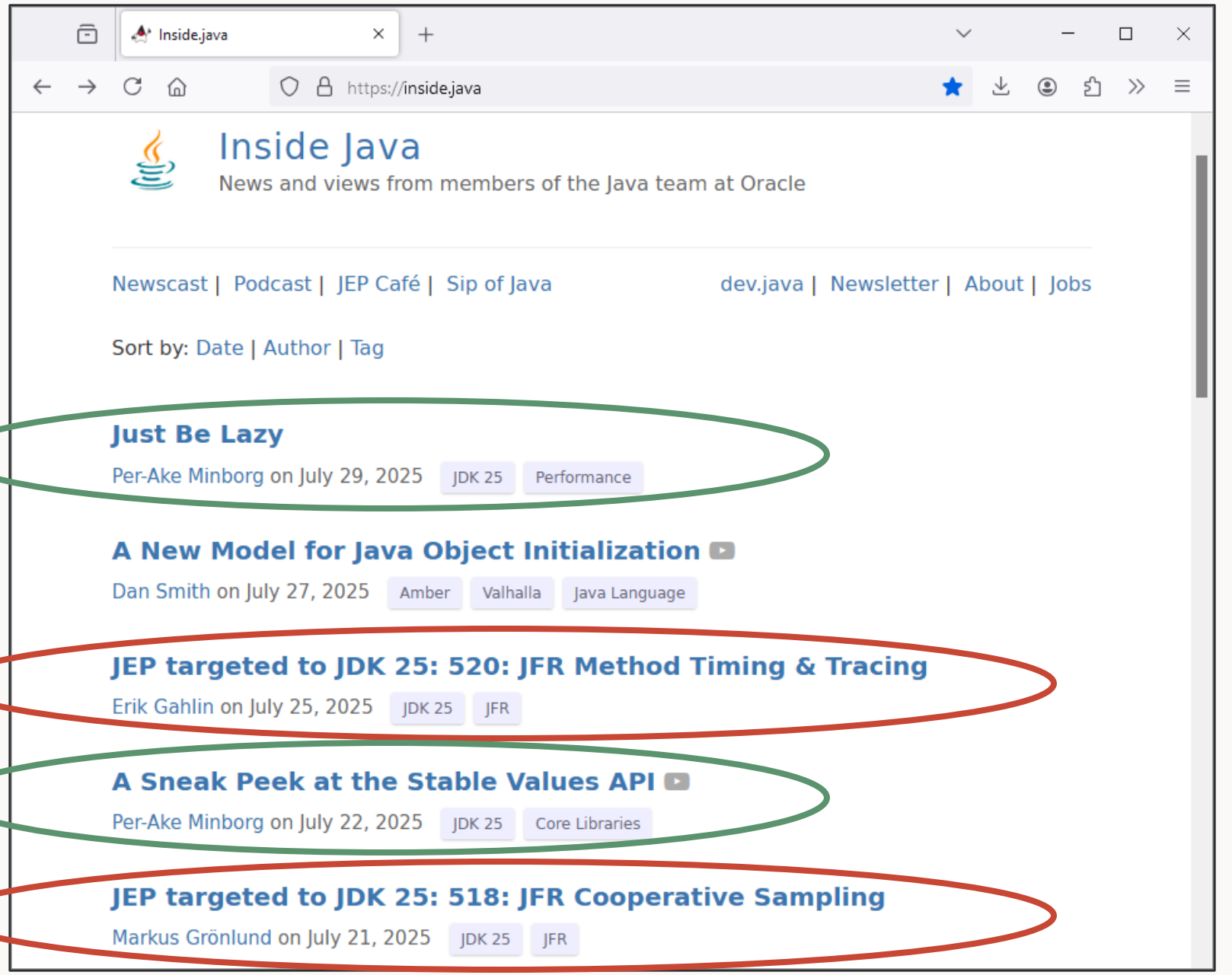
Suggestions for new examples

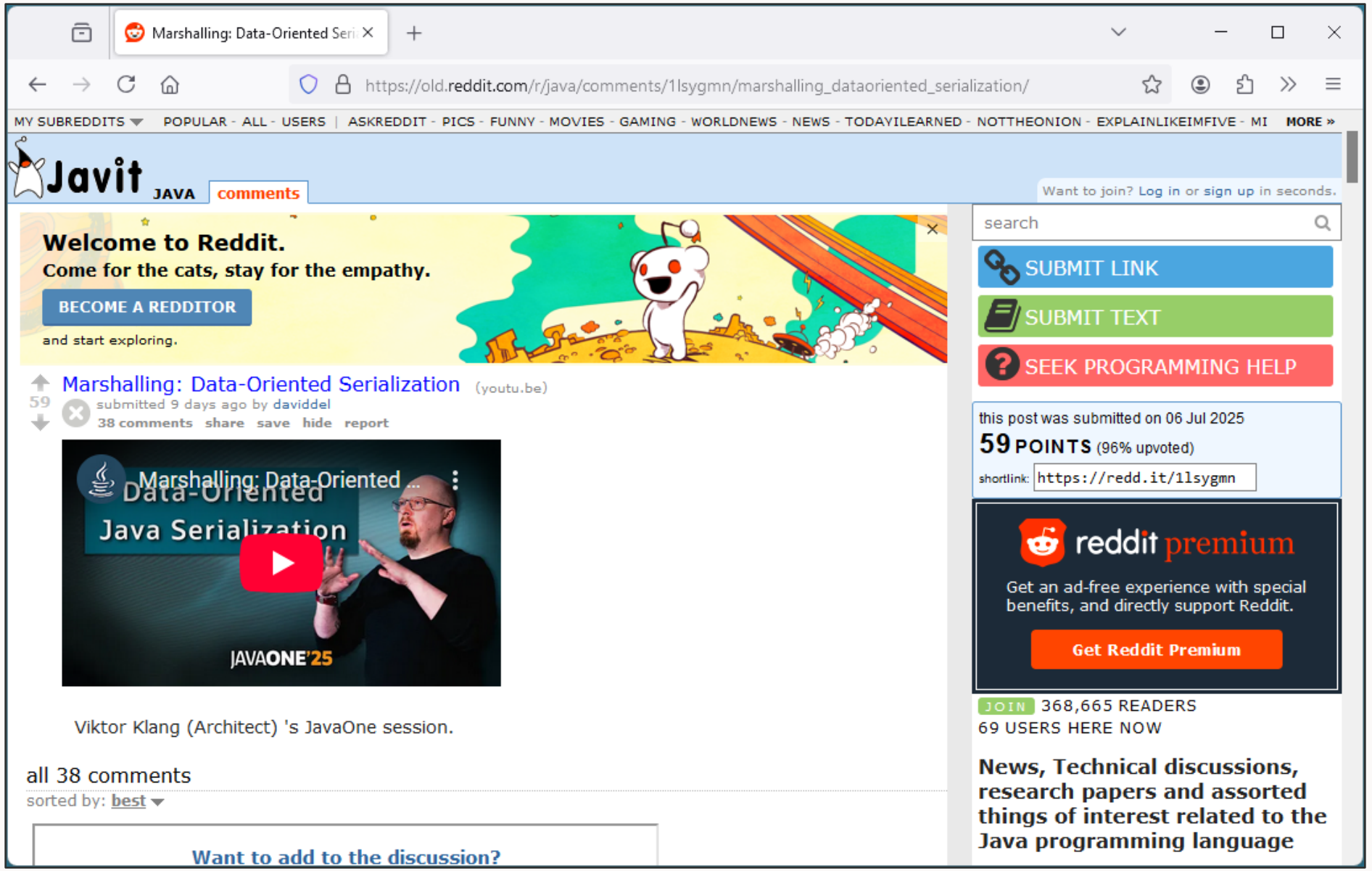
Impact on your OSS library

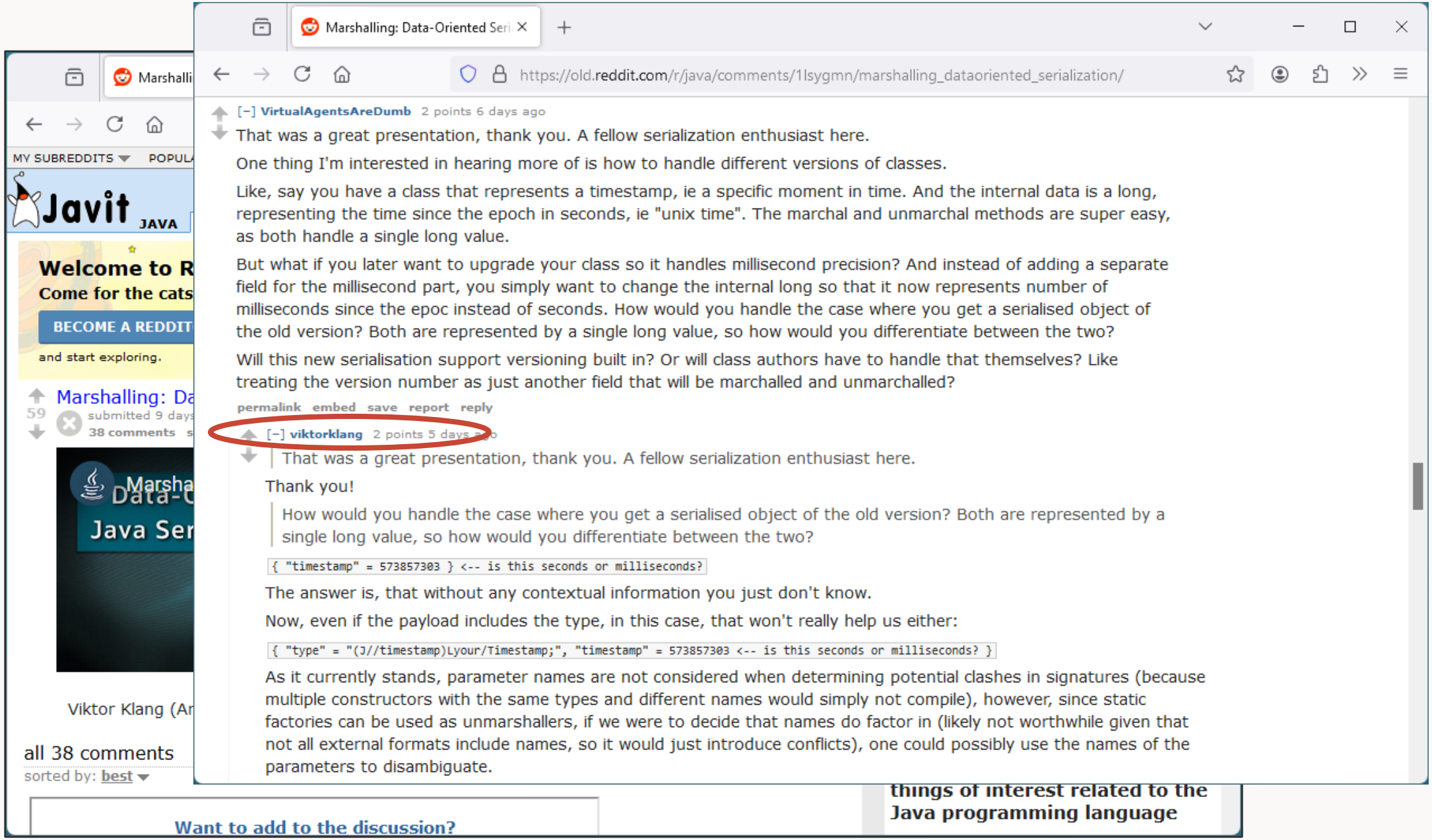
Announcing a blog entry

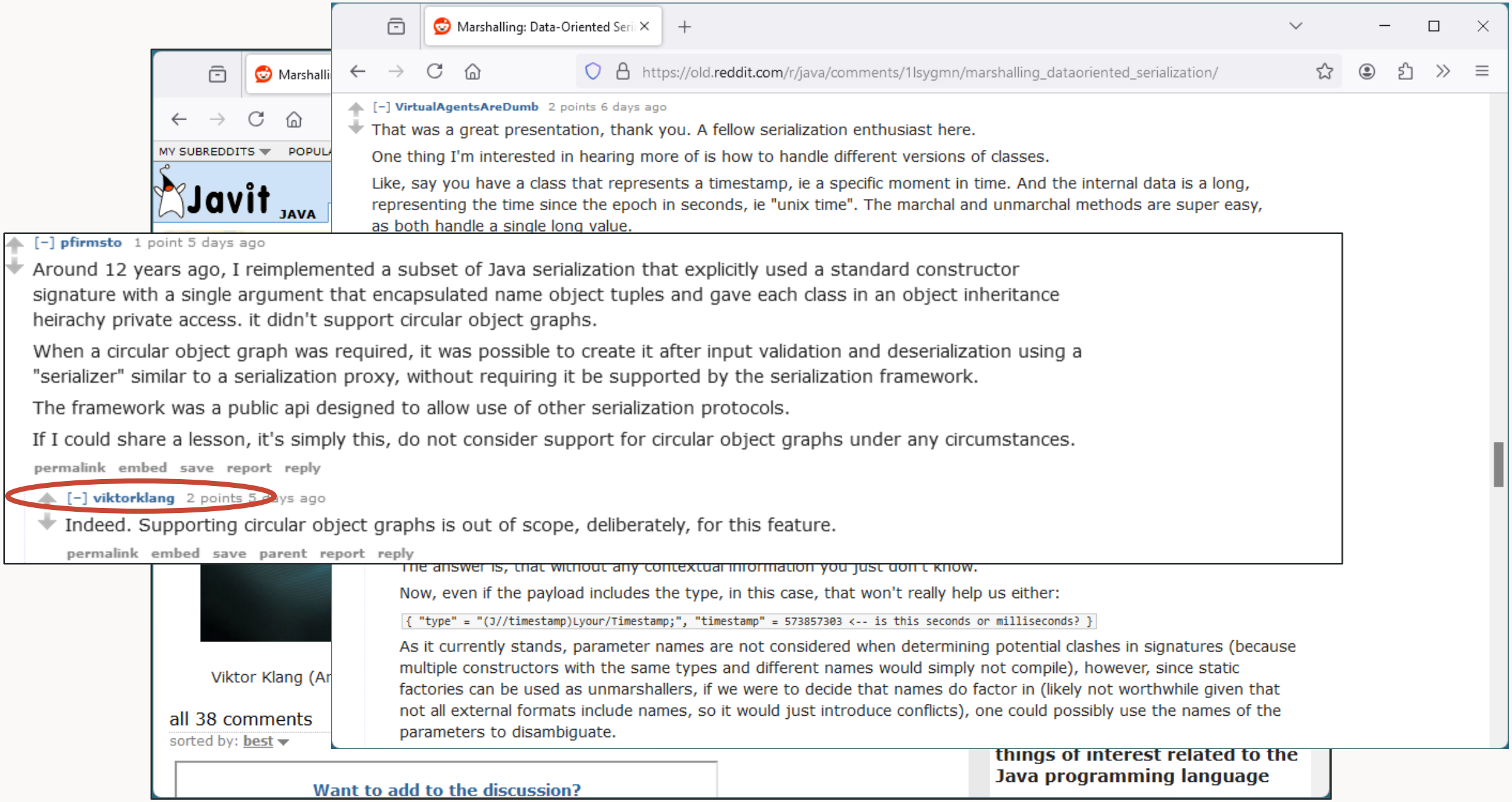










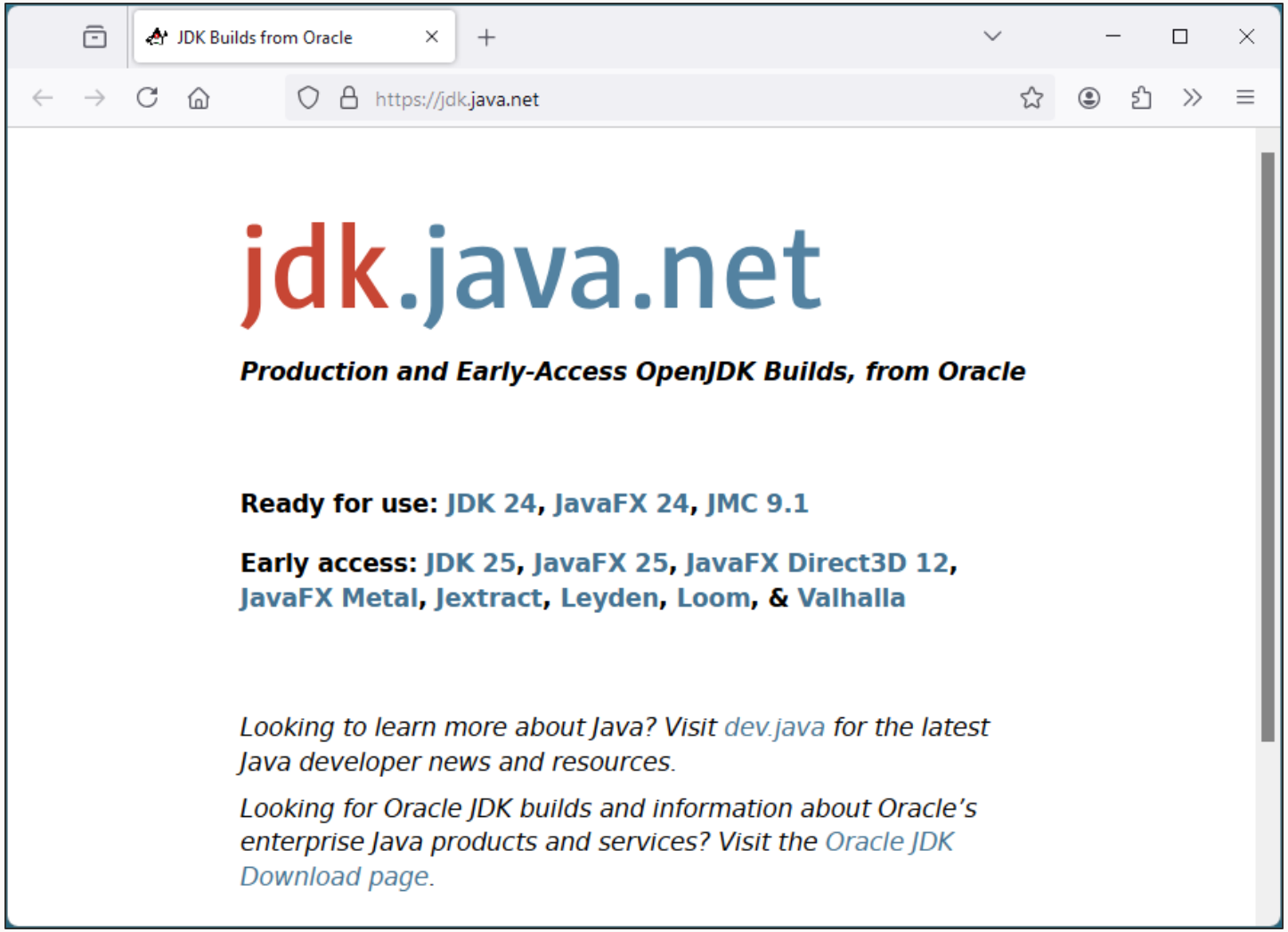


3. Practical steps

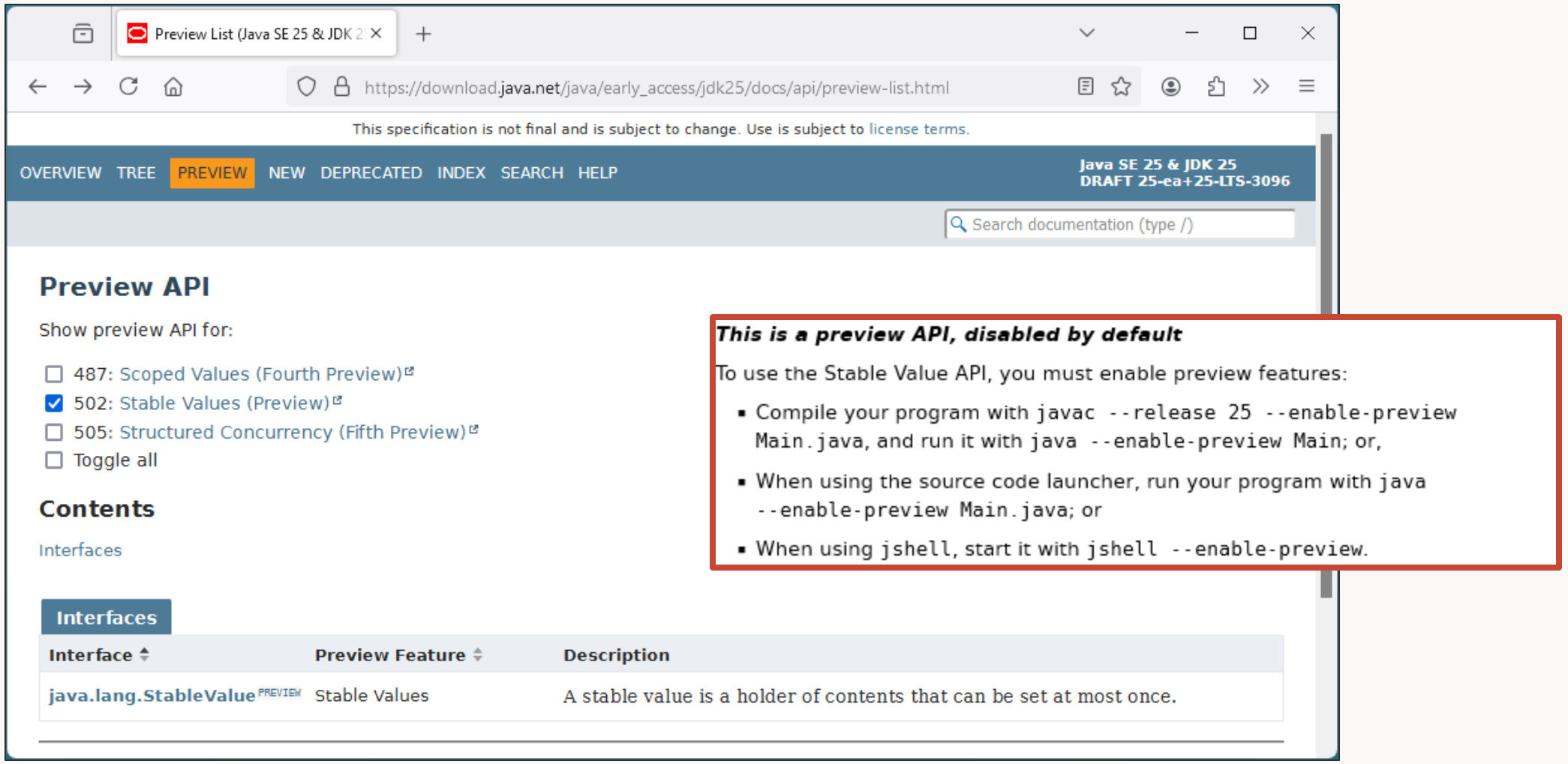
Reporting your experience with a feature

1. Read the JEP carefully.
2. Download an Early Access JDK from jdk.java.net.
3. Compile and run examples from the JEP.
4. Subscribe to the *-dev list nominated by the JEP, and send your feedback.

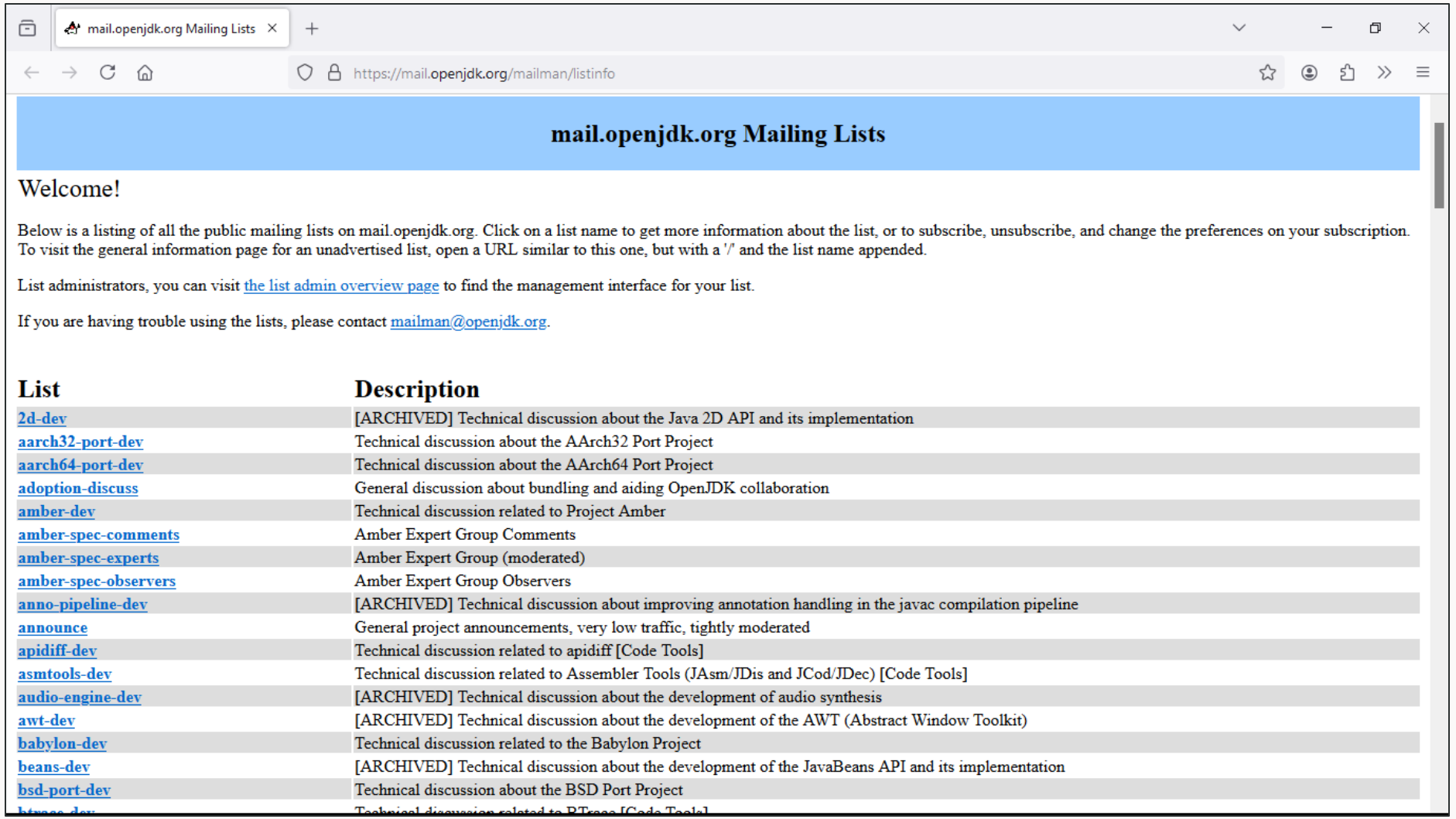
jdk.java.net: The home of Early Access open source binaries



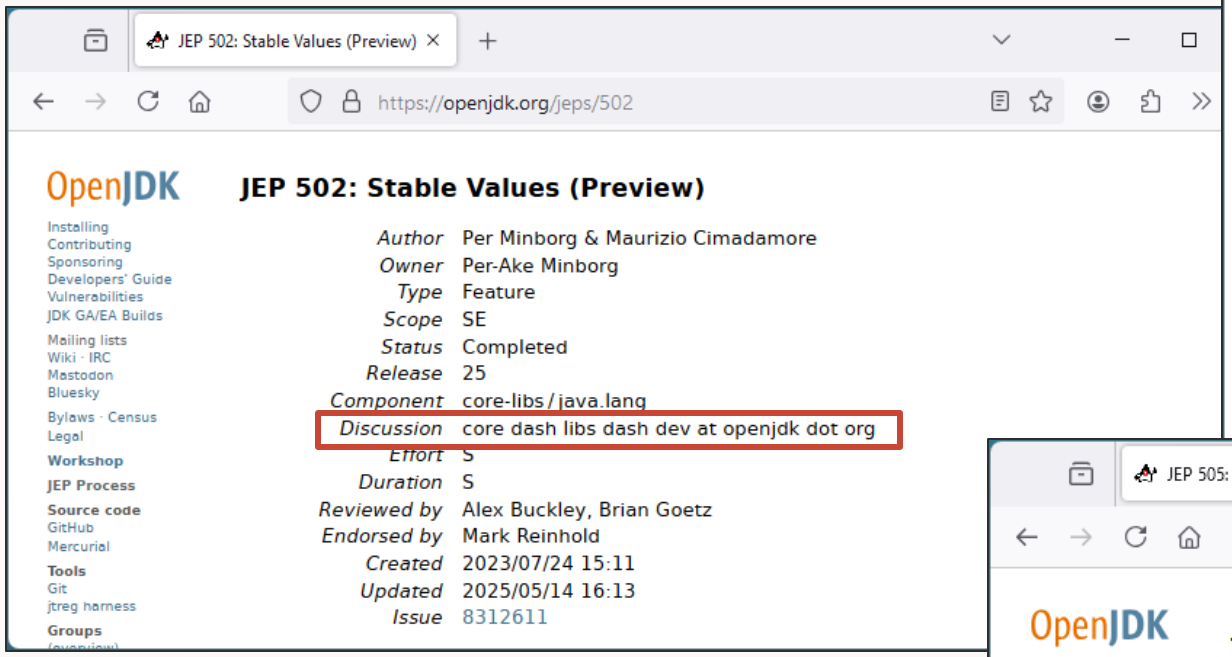
Most new Java features are in *preview*

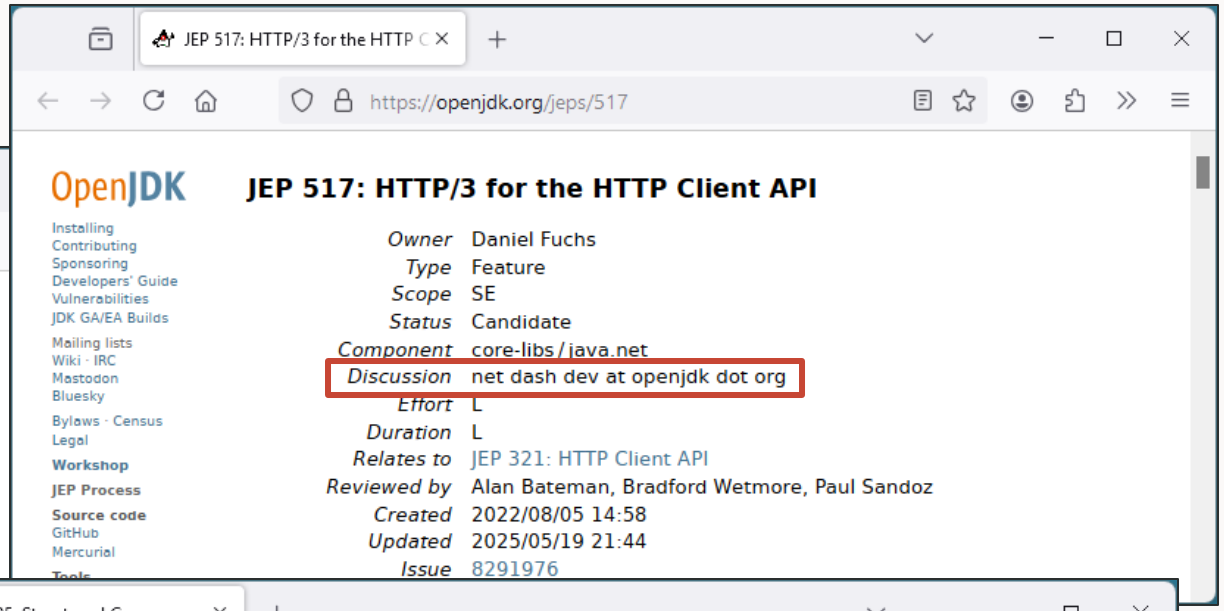


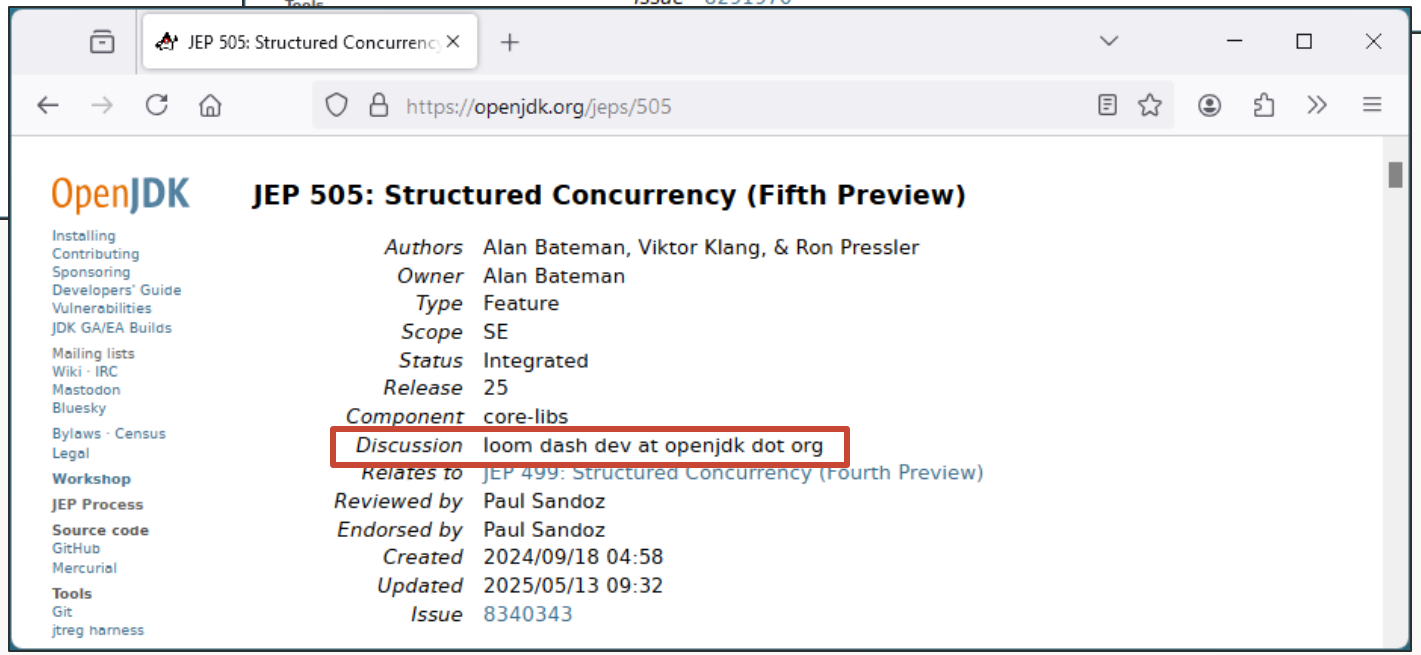
Subscribe to the appropriate *-dev list (mail.openjdk.org)



Every JEP nominates a mailing list







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