

JSR 393 & 394 Status

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JSR 393: Java SE 18

Specification

- Latest: <https://cr.openjdk.java.net/~iris/se/18/latestSpec> (DRAFT 34)
- Updates track promotion
- Public Review ends 2022/02/21

Reference Implementation (RI) – JDK 18

- Latest: <https://jdk.java.net/18> (build 34)
- Initial Release Candidate (RC) build expected 2022/02/10
- Repository: <https://github.com/openjdk/jdk18>
- Development limited to very high priority bugs
- Triage of incoming bugs on-going
- General Availability (GA): 2022/03/22

Technology Compatibility Took Kit (TCK) – JCK 18

- Code and Doc Freezes this week
- Only a few more promotions expected

Schedule

2021/06/08 – 2021/08/18
Expert Group Formation

2022/01/19 – 2022/02/21
Public Review

2022/02/22 – 2022/02/28
Public Review –
Final Approval Ballot

2022/03
Final Release

What's New in Java SE 18?

4 JDK Enhancement Proposals (JEPs)

400: UTF-8 by Default

418: Internet-Address Resolution SPI

420: Pattern Matching for `switch`
(Second Preview)

421: Deprecate Finalization for Removal

2 JSR Maintenance Releases

199: Java Compiler API [MR6]

269: Pluggable Annotations
Processing API [MR12]

73 Compatibility & Specification

Review (CSR) Requests

<https://bugs.openjdk.java.net/issues/?filter=41149>

3 Removed APIs

`java.awt.color.ICC_Profile.finalize()`

`Java.awt.image.ColorModel.finalize()`

`Java.awt.image.IndexColorModel.finalize()`

16 Terminally Deprecated APIs



JSR 394: Java SE 19

Specification

- No DRAFTs yet; first expected after JSR 393 Final Release
- Public Review expected this Summer

Reference Implementation (RI) – JDK 19

- Latest: <https://jdk.java.net/19> (build 8)
- Repository: <https://github.com/openjdk/jdk>
- Active discussion on all relevant *-dev mailing lists
- 0 Targeted SE JEPs; 15 approved SE CSRs
- No schedule yet, but GA expected 2022/09

Technology Compatibility Took Kit (TCK) – JCK 19

- First promotion expected after JCK 18 GA

Schedule *(start dates)*

2021/12/07
Expert Group Formation

2022/06 – 2022/07
Public Review

2022/07 – 2022/08
Public Review –
Final Approval Ballot

2022/09
Final Release



What's New in Java SE 19? (so far)

0 JDK Enhancement Proposals (JEPs)
<https://bugs.openjdk.java.net/issues/?filter=41885>

1 JSR Maintenance Release
269: Pluggable Annotations Processing
API [MR13]

15 Compatibility & Specification Review
(CSR) Requests
<https://bugs.openjdk.java.net/issues/?filter=41881>

0 Removed APIs

0 Terminally Deprecated APIs



Resources

- <https://openjdk.java.net/projects/jdk/18/spec/>
 - <https://jcp.org/en/jsr/detail?id=393>
 - <https://cr.openjdk.java.net/~iris/se/18/latestSpec/>
 - JEPs: <https://bugs.openjdk.java.net/secure/Dashboard.jspa?selectPageId=20303>
 - CSRs: <https://bugs.openjdk.java.net/secure/Dashboard.jspa?selectPageId=20304>
 - <https://mail.openjdk.java.net/mailman/listinfo/java-se-spec-experts>
 - <https://jdk.java.net/18/>
- <https://openjdk.java.net/projects/jdk/19/spec/>
- <https://github.com/openjdk>

Resources

- <https://mail.openjdk.java.net>
 - Overview
 - announce, vuln-announce, discuss, jdk-dev
 - Current release development
 - hotspot-dev, core-libs-dev, client-libs-dev, security-dev, i18n-dev
 - Future feature development
 - amber-dev, loom-dev, panama-dev, valhalla-dev

Q&A

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