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JDK 21

This release is the Reference Implementation of version 21 of the Java SE Platform, as specified by [JSR 396](#) in the Java Community Process.

JDK 21 reached [General Availability](#) on 19 September 2023. Production-ready binaries under the GPL are [available from Oracle](#); binaries from other vendors will follow shortly.

The features and schedule of this release were proposed and tracked via the [JEP Process](#), as amended by the [JEP 2.0 proposal](#). The release was produced using the [JDK Release Process](#) (JEP 3).

Features

- 430: String Templates (Preview)
- 431: [Sequenced Collections](#)
- 439: [Generational ZGC](#)
- 440: [Record Patterns](#)
- 441: [Pattern Matching for switch](#)
- 442: [Foreign Function & Memory API \(Third Preview\)](#)
- 443: [Unnamed Patterns and Variables \(Preview\)](#)
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- 445: [Unnamed Classes and Instance Main Methods \(Preview\)](#)
- 446: [Scoped Values \(Preview\)](#)
- 448: [Vector API \(Sixth Incubator\)](#)
- 449: [Deprecate the Windows 32-bit x86 Port for Removal](#)
- 451: [Prepare to Disallow the Dynamic Loading of Agents](#)
- 452: [Key Encapsulation Mechanism API](#)
- 453: [Structured Concurrency \(Preview\)](#)

JDK 21 will be a long-term support (LTS) release from most vendors. For a complete list of the JEPs integrated since the previous LTS release, JDK 17, please see [here](#).

Schedule

- | | |
|------------|--|
| 2023/06/08 | Rampdown Phase One (fork from main line) |
| 2023/07/20 | Rampdown Phase Two |
| 2023/08/10 | Initial Release Candidate |
| 2023/08/24 | Final Release Candidate |
| 2023/09/19 | General Availability |

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