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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)
- 444: Virtual Threads
- 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

Last update: 2023/9/19 10:53 UTC

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