New features in JAVA 9

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Version	Release date	End of Free Public Updates[1][4]	Extended Support Until
JDK Beta	1995	?	?
JDK 1.0	January 1996	?	?
JDK 1.1	February 1997	?	?
J2SE 1.2	December 1998	?	?
J2SE 1.3	May 2000	?	?
J2SE 1.4	February 2002	October 2008	February 2013
J2SE 5.0	September 2004	November 2009	April 2015
Java SE 6	December 2006	April 2013	December 2018
Java SE 7	July 2011	April 2015	July 2022
Java SE 8 (LTS)	March 2014	**January 2019 for Oracle (commercial)** December 2020 for Oracle (personal use) At least May 2026 for AdoptOpenJDK At least May 2026[5] for Amazon Corretto	December 2030
Java SE 9	September 2017	March 2018 for OpenJDK	N/A
Java SE 10	March 2018	September 2018 for OpenJDK	N/A
Java SE 11 (LTS)	September 2018	At least October 2024 for AdoptOpenJDK At least September 2027[5] for Amazon Corretto	September 2026
Java SE 12	March 2019	September 2019 for OpenJDK	N/A
Java SE 13	September 2019	March 2020 for OpenJDK	N/A
Java SE 14	March 2020	September 2020 for OpenJDK	N/A
Java SE 15	September 2020	March 2021 for OpenJDK	N/A
Java SE 16	March 2021	September 2021 for OpenJDK	N/A
Java SE 17 (LTS)	September 2021	TBA	TBA

Legend: ■ Old version ■ Older version, still maintained ■ **Latest version** ■ Future release

Java versions

(news until 3-Oct-2020)

Java 9 Features

JSR 376: Java Platform Module System

JEP 282: jlink: The Java Linker

Java 9 Features

JEP 295: Ahead-of-time compilation

```
jaotc <options> <name or list>

jaotc --output libHelloWorld.so HelloWorld.class

java -XX:AOTLibrary=./libHelloWorld.so HelloWorld
```

Java 9 Features

JEP 222: JShell: The Java Shell (a Java REPL)

Java 9 Features

JEP 266: Reactive Streams

Java 9 Features

JEP 268: XML catalogs

Java 9 Features

JavaDB was removed from JDK

Java 9 Features

JEP 254: Compact Strings

Java 9 Features

- JEP 213: Milling Project Coin
  - Allow **@SafeVarargs** on private instance methods
  - Allow **effectively-final** variables to be used as resources in the **try-with-resources** statement
  - Allow **diamond** with anonymous classes if the argument type of the inferred type is denotable
  - Complete the removal, begun in Java SE 8, of **underscore** from the set of **legal identifier names**
  - Support for **private methods** in interfaces

Java 9 Features

- JEP 193: Variable handles:[300] define a standard means to invoke the equivalents of various java.util.concurrent.atomic and sun.misc.Unsafe operations

- JEP 263: HiDPI graphics: automatic scaling and sizing

References

- https://openjdk.java.net/projects/jdk9/

- https://en.wikipedia.org/wiki/Java_version_history#Java_SE_9