Java 9-10-11-12-13-14-…

Duration: 2 days **Price: € 1299**

Open Schedule


Java 9-10-11-12-13-14-…

Audience Course Java 9-10-11-12-13-14-...

The course Java 9-10-11-12-13-14-... is intended for developers who want to learn the new features that were added to Java since version 9.

Prerequisites Course Java 9-10-11-12-13-14-...

Good knowledge of and experience with Java 8 programming is recommended, but is is not required to have extensive knowledge of Java 8.

Realization Training Java-9-10-11-12-13-14-....

The theory is treated on the basis of presentations and is interchanged with exercises. Demos are used to clarify the theory. The course uses the newest version of Java. The course material is in English. The course times are from 9.30 up and to 16.30.

Certification Java-9-10-11-12-13-14-....

Participants receive an official certificate Java-9-10-11-12-13-14-.... after successful completion of the course.

Content Course Java 9-10-11-12-13-14-…

In the Java 9-10-11-12-13-14 -... course participants learn the new features that have been added to the Java Platform after Java 8. Since Java 9 a new release of Java is published every six months, so that the **Java versions** have succeeded each other in rapid succession ever since. This is much faster than the 3-year time span that was previously common.

Release Frequency

The new release frequency fits better in the modern continuous delivery world. You don't have to wait long before new features are implemented in Java. The consequence is that new Java versions contain fewer new features and that it is also not clear in advance which feature has been introduced in which version. Also organizations will not be able to implement a new upgrade of their code base every six months.

Java Modules

The course starts with the discussion of the new features in Java 9. Among other things the new module system introduced in Java 9 is discussed. Modules can be seen as a kind of package over Java Packages, so that code can be built in an even better modular way and is reusable.

Java 10

Attention is paid to the additions in Java 10, such as type inference, class data sharing and more. Attention is also paid to improvements in GC algorithms and the JVM.

Java 11 and 12

Next we pay attention to the extensions in Java 11 such as nested access control, lambda parameters, new String class methods and more. Java 12 additions include switch expressions, raw String literals, the JVM Constants API and more. These extensions are also discussed and explained.

Java 13 and 14 and ...

Finally the new features of the Java 13 and 14 releases are treated as well as the features of releases that have been published since then. The course is constantly updated and focuses on the most important new features since Java 8.

Modules Course Java 9-10-11-12-13-14-…

Module 1 : Java 9	Module 2 : Java 10	Module 3 : Java 11
Module System JShell CompletableFuture API Reactive Streams HTTP 2 Client Diamond Operator Private Interface Methods Factory Methods Optional Class Process API	Type Inference Long Term Support Class Data Sharing Release Versioning Root Certificates Thread-Local Handshakes GC Interface Parallel Full GC Tag Extensions JDK Forest	Nested Access Control Epsilon Dynamic Class-File Constants Flight Recorder Lambda Parameters Cryptographic Algorithms New String Methods Aarch64 Intrinsics Low Latency GC Java Single Command
Module 4 : Java 12	**Module 5 : Java 13**	**Module 6 : Java 14 ...**
Switch Expressions File mismatch() Method Compact Number Formatting Teeing Collectors JVM Constants API Raw String Literals instanceof Pattern Matching Abortable Mixed Collections Default CDS Archives	Text Blocks Socket Reimplementation newFileSystem() Method DOM Namespace Support SAX Namespace Support Uncommit Unused Memory Dynamic CDS Archives Unicode 12.1 Support yield Statement	Packaging Tool JFR Event Streaming Foreign-Memory Access API Mapped Byte Buffers Helpful NullPointerExceptions Records NUMA-Aware Allocation Removed Features Beyond Java 14