

# MIGRATING TO JAVA 25 | JAVA 25 NEW FEATURES AND SKILLS (TT2137)

Course Code: 101023

Jumpstart Your Java 11 Skills | Move from Java 8 to Java 11 Exploring New features, Versioning, Jigsaw, JShell, Concurrency, Performance Enhancements and More.

Migrating from Java 8 to Java 11 is a three-day, hands-on fast-track course geared for developers who have prior hands-on experience working with Java 8, who need to quickly get up and running the latest features introduced in Java 11. Throughout the course students learn the best practices for taking advantage of the new Java Module system as well as other new features in this major update to the Java programming language.

The Java 9 update introduced major changes to the core language, including new features such as the Java Module system, the introduction of JShell, as well as several small enhancements to the language as part of the 'Milling Project Coin' project. 'Project Coin' was introduced during the development of Java 7 to introduce small language changes. Milling Project Coin introduced several enhancements that did not make it into Java 7. This course provides a fast-paced, high-level overview of some of the lesser-known language changes that were introduced over the years. Several of these small changes have laid the foundation for the enhancements made in Java 9, 10 and 11.

## What You'll Learn

This "skills-centric" course is about 50% hands-on lab and 50% lecture, designed to train attendees in core next-level Java development skills, coupling the most current, effective techniques with the soundest industry practices. Throughout the course students will be led through a series of progressively advanced topics, where each topic consists of lecture, group discussion, comprehensive hands-on lab exercises, and lab review.

Our engaging instructors and mentors are highly experienced practitioners who bring years of current "on-the-job" experience into every classroom. Working in a hands-on learning environment, guided by our expert team, attendees will learn to:

- Understand not only the fundamentals of the Java language, but also its importance, uses, strengths and weaknesses
- Develop modular applications in Java
- Migrate existing Java applications to the Java 11 platform
- Utilize the tooling that is provided in Java 11 to migrate, monitor and optimize

applications

- Use the new JShell tool to quickly test java constructs
- Improve implementations already using Java 8's Stream API by utilizing the methods new in Java 11
- Understand how the implementation of the String class has been updated to decrease the memory footprint
- Use the enhancements made to the Concurrency API, working with CompletableFuture instance of Thread pools
- Specific Java 11 features covered include: The Java Module System (project Jigsaw); JShell; Updated try-with-resources; Performance enhancements since Java 9; Updates to Collection and Stream API; Using the Local Variable Types; Updates made to the String API; The HTTPClient API

## Who Needs to Attend

Java Developers, Application Developers, Full Stack Developers.

## Prerequisites

This is an intermediate- level Java programming course, designed for experienced Java 8 developers who wish to get up and running with Java 11 immediately. Attendees should have a working knowledge of developing Java 8 applications.



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PRIVATE GROUP TRAINING

3 Day

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