

Szkolenie: Oracle  
Java Performance Tuning with Mission Control and Flight Recorder

FORMA SZKOLENIA	MATERIAŁY SZKOLENIOWE	CENA	CZAS TRWANIA
Stacjonarne	Cyfrowe	5334 PLN NETTO*	3 dni
Stacjonarne	Tablet CTAB	5934 PLN NETTO*	3 dni
Metoda dlearning	Cyfrowe	5334 PLN NETTO*	3 dni
Metoda dlearning	Tablet CTAB	5334 PLN NETTO*	3 dni

\* (+VAT zgodnie z obowiązującą stawką w dniu wystawienia faktury)

## LOKALIZACJE

Kraków - ul. Tatarska 5, II piętro, godz. 9:00 - 16:00

Warszawa - ul. Bielska 17, godz. 9:00 - 16:00

## Cel szkolenia:

This **Java Performance Tuning with Mission Control and Flight Recorder** training helps you build a conceptual background for Java garbage collection. Expert Oracle University instructors will teach you how it applies to Java garbage collectors on the Hotspot JVM, including the new G1 garbage collector.

### Learn To:

- Monitor, profile and tune your Java applications.
- Use command line and visual tools to perform these tasks.
- Get hands on practice with Visual VM, Java Mission Control, Flight Recorder and the NetBeans IDE.
- Use these tools and techniques to analyze Java 7 and earlier JVMs.
- Effectively apply tools like Java Mission Control and Flight Recorder to your daily work.

## Plan szkolenia:

- Course Overview
  - Introduce course
- Java Virtual Machine and Performance Overview
  - JVM Overview
  - What is Performance?

- Performance Methodology
- The JVM and Java Garbage Collection
  - HotSpot GC Basics
  - The GC Aging Process
  - G1 GC
- Java Garbage Collectors
  - Garbage Collecting Algorithms
  - Types of GC Collectors
  - JVM Ergonomics
- Command Line JVM Monitoring
  - GC Monitoring Options JIT Monitoring Options
- Mission Control and JVM Monitoring Tools
  - Monitoring with VisualVM
  - Monitoring with Mission Control
- Java Flight Recorder
  - Creating Flight Recordings
  - Analyze a Flight Recording
- Monitoring Operating System Performance
  - Monitoring CPU Usage
  - Monitoring Memory Usage
  - Monitoring Network I/O
  - Monitoring Disk I/O
  - Monitoring Processes
- Performance Profiling Tools
  - Overview of Profiling Tools
  - CPU Profiling
  - Heap Profiling
- Troubleshooting Performance Issues by Profiling
  - Memory Leak Profiling
  - Detecting Memory leaks
  - Detecting Contention and Locking Issues
- Garbage Collection Tuning
  - Tuning with Serial GC
  - Tuning with Parallel GC
  - Tuning with Concurrent GC
  - Tuning with G1 GC

- Language Level Concerns and Garbage Collection
  - Object Allocation
  - Working with Large Objects
  - Explicit Garbage Collection
  - Finalizers
  - Memory Leak Detection Tools
  - Object References

## Wymagania:

- Developing Applications for the Java EE 6 Platform
- [Java SE 7 Programming](#)
- [Java SE 7 Develop Rich Client Applications](#)

## Poziom trudności



## Certyfikaty:

Uczestnicy szkoleń otrzymają zaświadczenia o ukończeniu kursu sygnowane przez firmę Oracle.

## Prowadzący:

Autoryzowany wykładowca Oracle.