

Szkolenie: Oracle
Java Performance Tuning and Optimization

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 and Optimization** training will teach you about performance tuning methodologies, performance tuning theories and practical tips to solve difficult performance problems for Java applications. Expert Oracle University instructors will help you expand your skills during a series of labs derived from real world performance tuning issues.

Learn To:

- Set up a performance tuning environment.
- Tune the performance of a Java application at the language level.
- Monitor Java applications.
- Apply rigor to the task of performance tuning.
- Use various tools and mechanisms for monitoring, profiling and tuning Java applications.
- Apply best practices for performance testing.
- Tune garbage collection in a Java application.

Plan szkolenia:

- Introduction to Java Performance Tuning
 - Course Introduction
 - Course Agenda
- JVM and Performance Overview

- JVM Overview
- Performance Principles
- Common Performance Problems
- Performance Methodology
- Development and Performance
- Monitoring Operating System Performance
 - Monitor CPU Usage
 - Monitor Network I/O
 - Monitor Disk I/O
 - Monitor Virtual Memory Usage
 - Monitor and Identify Lock Contention
- Monitoring the JVM
 - HotSpot Generational Garbage Collector
 - Monitor the Garbage Collector with Command Line Tools
 - Monitor the Garbage Collector with VisualVM
 - Monitor the JIT Compiler
 - Throughput and Responsiveness
- Performance Profiling
 - NetBeans Profiler, Oracle Solaris Studio, and jmap/jhat
 - Profile CPU Usage
 - Profile JVM Heap
 - Find Memory Leaks
 - Identify Lock Contention
 - Heap Profiling Anti-patterns
 - Method Profiling Anti-patterns
- Garbage Collection Schemes
 - Garbage Collection
 - Generational Garbage Collection
 - GC Performance Metrics
 - Garbage Collection Algorithms
 - Types of Garbage Collectors
 - JVM Ergonomics
- Garbage Collection Tuning
 - Tune the Garbage Collection
 - Select the Garbage Collector
 - Interpret GC Output

- Language Level Concerns and Garbage Collection
 - The best practices for Object Allocation
 - Invoking the Garbage Collector
 - Reference Types in Java
 - The use of Finalizers
- Performance Tuning at the Language Level
 - String-efficient Java Applications
 - Collection Classes
 - Using Threads
 - Using I/O Efficiently

Wymagania:

Recommended Related Training Courses:

- [Java SE 7 Develop Rich Client Applications](#)
- [Java SE 7 Programming](#)

Poziom trudności



Certyfikaty:

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

Prowadzący:

Autoryzowany wykładowca Oracle.