jPinpoint
application performance services

Training:
Performance Aware Java Coding

Content of the training

In the jPinpoint *Performance aware Java Coding* training you learn to prevent performance defects in Java applications. The training is aimed at recognizing performance defects in Java code and learning best practices to write code without performance defects.

Duration

1 day, from 9:00 until 17:00 with lunch.

Instructor

Jeroen Borgers, Java performance consultant.

Audience

This training is aimed at experienced Java developers and hands-on architects. Java programming experience is required.

Training setup

In this knowledge intensive training we will discuss various Java performance pitfalls and best practices, their appearance, performance problems they cause and ways to solve and prevent them. Students are invited to bring their own code with them to review in the training.

What will I learn?

You will learn to:

- recognize the most common Java performance coding defects;
- understand performance problems caused by performance defects;
- write code utilizing best performance practices for Java.

How to subscribe?

To subscribe, see the web page: http://www.jpinpoint.com/training-coding.html Cost: 800 euro excluding VAT. Location: in central Netherlands.

Prerequisites

You should be comfortable with Java 7/8 code. You need to bring along a laptop with a minimum of 4 GB internal memory, JDK 8 and Eclipse or IntelliJ installed.

This training will be in Dutch, or in English on request.

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Detailed content

- Introduction
- Java coding best practices
    - Loops, strings, collections
- Inefficient database access
- Improper use of Remoting and XML
- Inefficient streaming I/O
- Improper caching

- Too much memory usage
- Improper logging
- Thread-unsafety and lock contention
- Improper use of Collections
- Improper use of lambda's and streaming API
- Violation of encapsulation, DRY or SRP