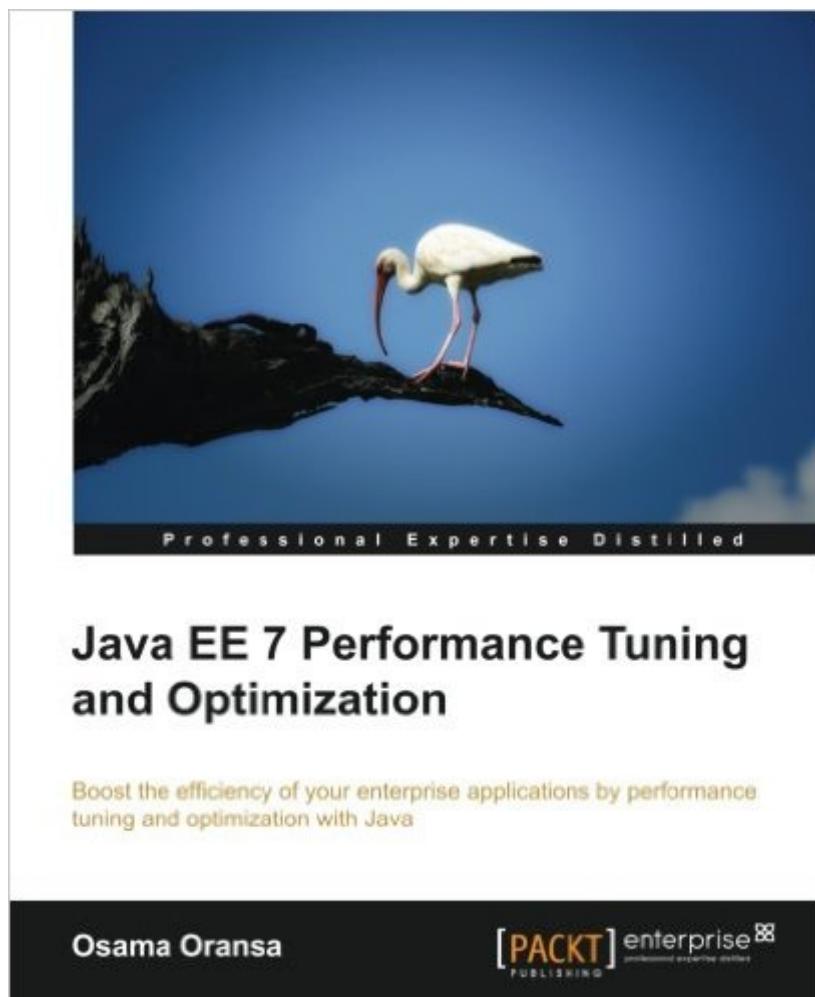# The book was found

Java EE 7 Performance Tuning And Optimization

Synopsis

Boost the efficiency of your enterprise applicationŝ by performancê tuning and optimizationAbout This Book Learn to plan a performance investigation in enterprise applications Build a performance troubleshooting strategy Design and implement high performing Java enterprise applications Who This Book Is ForIf you are an experienced Java developer, architect, team leader, consultant, support engineer, or anyone else who needs performance tuning in your Java applications, and in particular, Java enterprise applications, this book is for you. No prior experience of performance tuning is required.What You Will Learn Master the art of performance tuning and become a performance tuning expert Create and execute enterprise performance tests Understand the fundamentals of Java needed for performance tuning Use a number of profiling tools to diagnose common performance issues Understand the basic aspects of the Java virtual machine and application server performance tuning Design guidelines for better enterprise application performance Discover different Java optimization tips and tricks Tune a real-world sample application In DetailWith the expansion of online enterprise services, the performance of an enterprise application has become a critical issue. Even the smallest change to service availability can severely impact customer satisfaction, which can cause the enterprise to incur huge losses. Performance tuning is a challenging topic that focuses on resolving tough performance issues. In this book, you will explore the art of performance tuning from all perspectives using a variety of common tools, while studying many examples. This book covers performance tuning in Java enterprise applications and their optimization in a simple, step-by-step manner. Beginning with the essential concepts of Java, the book covers performance tuning as an art. It then gives you an overview of performance testing and different monitoring tools. It also includes examples of using plenty of tools, both free and paid.

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Customer Reviews

"Java EE 7 Performance Tuning and Optimization" covers a wide gamut of information regarding Java EE performance tuning. It covers JVM tuning, Oracle JDK tools (VisualVM, Java Mission Control, and command-line tools), Oracle HotSpot JVM options, and use of other tools and profilers (such as NetBeans Profiler and JProfiler). The book assumes the Oracle JDK and Oracle HotSpot JVM for most of the discussion on specific JVM options and JDK tools. "Java EE 7 Performance Tuning and Optimization" has some short sections of specific Java EE implementations (mainly GlassFish and WebLogic), but stays mostly focused on general Java EE and JVM tuning considerations.One of the strengths of "Java EE 7 Performance Tuning and Optimization" is its discussion of tools such as JProfiler and NetBeans Profiler. It includes clear screen snapshots to illustrate the text. Another strength of the book is its realistic performance problem examples and how to use the book's concepts, tools, and recommended JVM options to diagnose and resolve these issues."Java EE 7 Performance Tuning and Optimization" is ambitious in the area it covers, but at times feels lengthier than it needs to be. It includes significant sections of text that come directly from the Oracle documentation (JDK Tools Documentation, HotSpot JVM Troubleshooting Guide, and Java Performance Documentation) and spends more time than I like advertising in different parts of the book what is to come later in the book. "Java EE 7 Performance Tuning and Optimization" would benefit tremendously from more thorough editing. There are numerous spelling errors, typos, and grammar issues and the book's narration could be tighter.

This book deals with Performance Tuning. It focuses on tuning, monitoring and optimizing the performance of Java EE applications in particular.It starts off with basics of Performance Tuning and gives us an insight into the various kinds of performance related issues which one might face in the context of enterprise grade, distributed web (Java EE) applications. The book provides a quick fire tour of Java EE 7, familiarizes the reader with the basics of JVM (memory model, garbage collection. concurrency) and dives into the nitty-gritty of Performance Testing in Java.The author guides us through some common performance issues and their symptoms along with a detailed insight of Java monitoring and profiling tools (in the JDK, IDEs etc).Topics like CPU, Memory and

Thread Profiling have dedicated chapters and have been covered in great detail. The book delves into the topics of Tuning a Java EE application and its various facets (JVM, App Server, Web Server, the OS) along with a primer on Designing High performance Java EE applications. Last but not the least, the reader can dig into some Performance Tuning Tips (EJB, JPA, Servlets, JSF, Java SE) and apply the knowledge gained from the book in tuning a sample Java EE application hands-on!Performance Tuning is not an easy topic to discuss or write a book about. Although it is based upon reasoning and science, more often than not, it is triggered due to unprecedented scenarios.* The author covers a vast landscape in general - from depths of the Java Platform basics, JVM to app server tuning, Databases and straight on to the Cloud !

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