



Java EE 7 Performance Tuning and Optimization

By Osama Oransa



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Boost the efficiency of your enterprise applications by performance tuning and optimization

About 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 For

If 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 Detail

With 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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Java EE 7 Performance Tuning and Optimization By Osama Oransa Bibliography

- Sales Rank: #3132390 in Books
- Published on: 2014-06-25
- Released on: 2014-06-23
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x 1.08" w x 7.50" l, 1.79 pounds
- Binding: Paperback
- 398 pages



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Editorial Review

About the Author

Osama Oransa

Osama Oransa is an IT solution architect with more than 12 years of solid technical experience in Java EE. He is a certified Java enterprise architect and an SME in web services technology. He has worked for most of the key players in the IT industry, such as IBM, Oracle, and Hewlett Packard. He previously worked as a performance consultant at DevFactory, and he is currently working with the Vodafone Group as a solution architect. He has also participated in establishing Pulse Corp as a medical software services company in Egypt. He has a diploma in IT from the Information Technology Institute (ITI) and a diploma in CS from the Arab Academy for Science, Technology and Maritime Transport (AASTM). He is currently working towards a Master's degree in CS. Being from Cairo, he is a frequent speaker at the Java Developer Conference (JDC) in Cairo. In 2010, one of his projects in Pulse Corp, "Health Intact", won Oracle Duke's Choice Award. He is the founder of more than 12 open source projects hosted on SourceForge. He has also been selected by Oracle for the future of the Java campaign for his valuable contribution to the industry. He is a volunteer Java technology evangelist who gives technical sessions at different companies, conferences, and on blogs. His technical blog can be found at <http://osama-oransa.blogspot.com/>.

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