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Edition

Java Performance

In-Depth Advice for Tuning and Programming
Java 8, 11, and Beyond



Scott Oaks

Java Performance Tuning 2nd Edition

Jack Shirazi



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Java Performance Tuning, 2nd Edition Jack Shirazi, 2003 *Java Performance Tuning*, 2003 **Java Performance** Scott Oaks, 2020-02-11 Coding and testing are generally considered separate areas of expertise In this practical book Java expert Scott Oaks takes the approach that anyone who works with Java should be adept at understanding how code behaves in the Java Virtual Machine including the tunings likely to help performance This updated second edition helps you gain in depth knowledge of Java application performance using both the JVM and the Java platform Developers and performance engineers alike will learn a variety of features tools and processes for improving the way the Java 8 and 11 LTS releases perform While the emphasis is on production supported releases and features this book also features previews of exciting new technologies such as ahead of time compilation and experimental garbage collections Understand how various Java platforms and compilers affect performance Learn how Java garbage collection works Apply four principles to obtain best results from performance testing Use the JDK and other tools to learn how a Java application is performing Minimize the garbage collector s impact through tuning and programming practices Tackle performance issues in Java APIs Improve Java driven database application performance

Mac OS X for Java Geeks Will Iverson, 2003-04-24 Mac OS X for Java Geeks delivers a complete and detailed look at the Mac OS X platform geared specifically at Java developers Programmers using the 10 2 Jaguar release of Mac OS X and the new JDK 1 4 have unprecedented new functionality available to them Whether you are a Java newbie working your way through Java Swing and classpath issues or you are a Java guru comfortable with digital media reflection and J2EE this book will teach you how to get around on Mac OS X You ll also get the latest information on how to build applications that run seamlessly and identically on Windows Linux Unix and the Mac The book begins by laying out the Mac OS X tool set from the included Java Runtime Environment to third party tools IDEs and Jakarta Ant You ll then be brought up to speed on the advanced Mac specific extensions to Java including the spelling framework speech framework and integration with QuickTime In addition to clear explanations of these extensions you ll learn how to write code that falls back to non Mac specific code when it runs on other platforms keeping your application portable Once you have the fundamentals of the Mac OS X Java platform in hand this book takes you beyond the basics You ll learn how to get the Apache web server running and supplement it with the Jakarta Tomcat JSP and servlet container JSPs and servlets running on Mac OS X are covered as is installation and connectivity to a database Once you have your web applications up and running you ll learn how to interface them with EJBs as running the JBoss application server on Mac OS X is covered Finally the latest developments in web services including XML RPC and SOAP are found within [Programming Jakarta Struts](#)

Chuck Cavaness, 2002 Building Web applications with servlets JSPs Cover *Java Data Objects* David Jordan, Craig Russell, 2003-04-22 This is a definitive guide to JDO API It provides a thorough introduction to JDO Java Data Objects starting with a simple application that demonstrates many of JDO s capabilities It shows the reader how to make classes persistent

how to configure JDO at runtime how to make queries and more *Java Performance: The Definitive Guide* Scott Oaks,2014-04-10 Coding and testing are often considered separate areas of expertise In this comprehensive guide author and Java expert Scott Oaks takes the approach that anyone who works with Java should be equally adept at understanding how code behaves in the JVM as well as the tunings likely to help its performance You ll gain in depth knowledge of Java application performance using the Java Virtual Machine JVM and the Java platform including the language and API Developers and performance engineers alike will learn a variety of features tools and processes for improving the way Java 7 and 8 applications perform Apply four principles for obtaining the best results from performance testing Use JDK tools to collect data on how a Java application is performing Understand the advantages and disadvantages of using a JIT compiler Tune JVM garbage collectors to affect programs as little as possible Use techniques to manage heap memory and JVM native memory Maximize Java threading and synchronization performance features Tackle performance issues in Java EE and Java SE APIs Improve Java driven database application performance **Java Web Services in a Nutshell** Kim Topley,2003 This title is a high speed tutorial and handy quick reference to the APIs for implementing web services in Java It is intended for Java developers who need to implement Java web services or who need their applications to access existing web services

Java Foundation Classes in a Nutshell David Flanagan,1999 From the author of *Java in a Nutshell* comes a compact reference material on all the GUI and graphics related classes in the numerous java [Web Performance Tuning](#) Patrick Killelea,1998 Get the best performance from the Web Aimed at Web administrators content developers and users *Web Performance Tuning* covers general principles of performance such as network latency and caching It also gives specific tips on tuning Web browsers Web servers operating systems and hardware for best performance **Java Cookbook** Ian F Darwin,2004-06-14 Covers all of the major APIs from Java 1.4 and 1.5 Covers many specialized APIs including those for working with Struts Ant and other Open Source tools [C++](#) Gregory Satir,Doug Brown,1995 A primer for C programmers transitioning to C and designed to get users up to speed quickly this book tells users just what they need to learn first Covering a subset of the features of C the user can actually use this subset to get familiar with the basics of the language The book includes sidebars that give overviews of advanced features not covered **Ajax on Java** Steven Douglas Olson,2007-02-22 Provides information on building Web applications using Ajax and Java [Linux Network Administrator's Guide](#) Olaf Kirch,Terry Dawson,2000 This introduction to networking on Linux now covers firewalls including the use of ipchains and Netfilter masquerading and accounting Other new topics in this second edition include Novell NCP IPX support and INN news administration **Java Performance, 2nd Edition** Scott Oaks,2020 Coding and testing are generally considered separate areas of expertise In this practical book Java expert Scott Oaks takes the approach that anyone who works with Java should be equally adept at understanding how code behaves in the Java Virtual Machine including the tunings likely to help performance This updated second edition helps you gain in depth knowledge of Java application

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JUnit Pocket Guide Kent Beck,2004 JUnit created by Kent Beck and Erich Gamma is an open source framework for test driven development in any Java based code JUnit automates unit testing and reduces the effort required to frequently test code while developing it While there are lots of bits of documentation all over the place there isn t a go to manual that serves as a quick reference for JUnit This Pocket Guide meets the need bringing together all the bits of hard to remember information syntax and rules for working with JUnit as well as delivering the insight and sage advice that can only come from a technology s creator Any programmer who has written or is writing Java Code will find this book valuable Specifically it will appeal to programmers and developers of any level that use JUnit to do their unit testing in test driven development under agile methodologies such as Extreme Programming XP another Beck creation

JavaServer Pages Hans Bergsten,2004 This revised and updated edition of this practical guide is for both Web developers who want to make the most of Java Server Pages JSP potential for building dynamic Web applications and programmers who want to master the JSP API and use JSP effectively in a distributed enterprise application

Java Servlet Programming Jason Hunter,William Crawford,1998 Java servlets offer a fast powerful portable replacement for CGI scripts This book covers everything one needs to write effective servlets Topics include serving dynamic Web content maintaining state information session tracking database connectivity using JDBC and applet servlet communication

Java Message Service David Chappell,Richard Monson-Haefel,2007-06-26 This book is a thorough introduction to Java Message Service JMS the standard Java application program interface API from Sun Microsystems that supports the formal communication known as messaging between computers in a network JMS provides a common interface to standard messaging protocols and to special messaging services in support of Java programs The messages exchange crucial data between computers rather than between users information such as event notification and service requests Messaging is often used to coordinate programs in dissimilar systems or written in different programming languages Using the JMS interface a programmer can invoke the messaging services of IBM s MQSeries Progress Software s SonicMQ and other popular messaging product vendors In addition JMS supports messages that contain serialized Java objects and messages that contain Extensible Markup Language XML pages Messaging is a powerful new paradigm that makes it easier to uncouple different parts of an enterprise application Messaging clients

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JavaServer Faces Hans Bergsten, 2004-04-22 With this text developers will learn to use the new JavaServer Faces framework to build real world web applications It covers topics such as the JSF environment validating input controlling page navigation working with tabular data and developing custom renders and custom components

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