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Java EE 7 Development with NetBeans 8 David R. Heffelfinger,2015-01-31 The book is aimed at Java developers who wish to develop Java EE applications while taking advantage of NetBeans functionality to automate repetitive tasks Familiarity with NetBeans or Java EE is not assumed *Java Ee 7 Performance Tuning and Optimization* Osama Oransa,2014-06-14 The book adopts a step by step approach starting from building the basics and adding to it gradually by using different tools and examples The book sequence is easy to follow and all topics are fully illustrated showing you how to make good use of different performance diagnostic tools 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 [Pro Java EE 5 Performance Management and Optimization](#) Steven Haines,2006-11-22 Pro Java EE 5 Performance Management and Optimization features proven methodology to guarantee top performing Java EE 5 applications and explains how to measure performance in your specific environment The book also details performance integration points throughout the development and deployment lifecycles that are crucial for application success For quality assurance and preproduction stages this book guides you through testing and optimally deploying your Java EE 5 applications with a focus on assessing capacity and discovering saturation points It defines the concept and application of wait based tuning one of the most effective approaches to application server tuning The book also helps you assess and improve the health of your applications upon deployment The topics covered include trending forecasting and capacity assessing and planning When production issues arise you ll be armed with troubleshooting methodology and solutions to common problems that have been observed in real world environments This book even guides you through the creation of a formal Java EE 5 performance management plan customized to your environment to help you interpret and react to changing trends in usage patterns **Java EE 8 High Performance** Romain Manni-Bucau,2018-01-30 Get more control of your applications performances in development and production and know how to meet your Service Level Agreement on critical microservices Key Features Learn how to write a JavaEE application with performance constraints Service Level Agreement SLA leveraging the platform Learn how to identify bottlenecks and hotspots in your application to fix them Ensure that you are able to continuously control your performance in production and during development Book Description The ease with which we write applications has been increasing but with this comes the need to address their performance A balancing act between easily implementing complex applications and keeping their performance optimal is a present day need In this book we explore how to achieve this crucial balance while developing and deploying applications with Java EE 8 The book starts by analyzing various Java EE specifications to identify those potentially affecting performance adversely Then we move on to monitoring techniques that enable us to identify performance bottlenecks and optimize performance metrics Next we look at techniques that help us achieve high

performance memory optimization concurrency multi threading scaling and caching We also look at fault tolerance solutions and the importance of logging Lastly you will learn to benchmark your application and also implement solutions for continuous performance evaluation By the end of the book you will have gained insights into various techniques and solutions that will help create high performance applications in the Java EE 8 environment What you will learn Identify performance bottlenecks in an application Locate application hotspots using performance tools Understand the work done under the hood by EE containers and its impact on performance Identify common patterns to integrate with Java EE applications Implement transparent caching on your applications Extract more information from your applications using Java EE without modifying existing code Ensure constant performance and eliminate regression Who this book is for If you re a Java developer looking to improve the performance of your code or simply wanting to take your skills up to the next level then this book is perfect for you *Java Performance Tuning* Jack Shirazi,2002 **WildFly Performance Tuning** Arnold Johansson,Anders

Welén,2014-06-25 Packed with practical examples this book looks at a different aspect of performance tuning in each chapter and shows you how to apply them to their existing Java applications Anyone with an interest in learning more and improving the performance of Java based technology in general all the way to WildFly in particular will find this book useful **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

JBoss AS 5 Performance Tuning Francesco Marchioni,2010-12-03 Build faster more efficient enterprise Java applications *Java Platform Performance* Steve Wilson,Jeff Kesselman,2000 Direct from Sun s Java tm Performance Team this is a comprehensive field manual full of battle tested strategies and tactics for developing high performance applications and applets with Java technology It covers every aspect of Java performance including speed scalability RAM footprint startup time and user perceived performance factors Part I covers the crucial process issues associated with Java optimization outlining how performance tuning fits into the software development process showing how to use benchmarks and profiling tools to identify hot spots and bottlenecks and presenting general strategies for enhancing the performance of

Java technology based systems In Part II the authors present a wide array of concrete optimization techniques The book contains detailed appendices on garbage collection and the Java HotSpot™ Virtual Machine written to address key performance questions *Java EE 7 Development with WildFly* Michal Cmil,2014-12-29 If you are a Java developer who wants to learn about Java EE this is the book for you It's also ideal for developers who already have experience with the Java EE platform but would like to learn more about the new Java EE 7 features by analyzing fully functional sample applications using the new application server WildFly

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

Optimizing Java Benjamin J Evans,James Gough,Chris Newland,2018-04-17 Performance tuning is an experimental science but that doesn't mean engineers should resort to guesswork and folklore to get the job done Yet that's often the case With this practical book intermediate to advanced Java technologists working with complex technology stacks will learn how to tune Java applications for performance using a quantitative verifiable approach Most resources on performance tend to discuss the theory and internals of Java virtual machines but this book focuses on the practicalities of performance tuning by examining a wide range of aspects There are no simple recipes tips and tricks or algorithms to learn Performance tuning is a process of defining and determining desired outcomes And it requires diligence Learn how Java principles and technology make the best use of modern hardware and operating systems Explore several performance tests and common anti patterns that can vex your team Understand the pitfalls of measuring Java performance numbers and the drawbacks of microbenchmarking Dive into JVM garbage collection logging monitoring tuning and tools Explore JIT compilation and Java language performance techniques Learn performance aspects of the Java Collections API and get an overview of Java concurrency

Sun Performance and Tuning Adrian Cockcroft,Richard Pettit,1998 This book is an indispensable reference for developers and administrators who want to maximize the performance of their Sun systems Revised and updated to cover the latest SPARC and software release including Solaris 2.6 This book presents a collaboration of

configuration and performance information not available anywhere else

Java Performance Charlie Hunt, Binu John, 2011-10-04 The definitive master class in performance tuning Java applications if you love all the gory details this is the book for you James Gosling creator of the Java Programming Language Improvements in the Java platform and new multicore multiprocessor hardware have made it possible to dramatically improve the performance and scalability of Java software Java™ Performance covers the latest Oracle and third party tools for monitoring and measuring performance on a wide variety of hardware architectures and operating systems The authors present dozens of tips and tricks you ll find nowhere else You ll learn how to construct experiments that identify opportunities for optimization interpret the results and take effective action You ll also find powerful insights into microbenchmarking including how to avoid common mistakes that can mislead you into writing poorly performing software Then building on this foundation you ll walk through optimizing the Java HotSpot VM standard and multitiered applications Web applications and more Coverage includes Taking a proactive approach to meeting application performance and scalability goals Monitoring Java performance at the OS level in Windows Linux and Oracle Solaris environments Using modern Java Virtual Machine JVM and OS observability tools to profile running systems with almost no performance penalty Gaining under the hood knowledge of the Java HotSpot VM that can help you address most Java performance issues Integrating JVM level and application monitoring Mastering Java method and heap memory profiling Tuning the Java HotSpot VM for startup memory footprint response time and latency Determining when Java applications require rework to meet performance goals Systematically profiling and tuning performance in both Java SE and Java EE applications Optimizing the performance of the Java HotSpot VM Using this book you can squeeze maximum performance and value from all your Java applications no matter how complex they are what platforms they re running on or how long you ve been running them

Advanced Tuning for JD Edwards EnterpriseOne Implementations Michael Jacot, Allen Jacot, Gurbinder Bali, Frank Jordan, Patrick Scott, Kyle Kinder, 2013-07-16 Best Practices for JD Edwards Enterprise One Tuning and Optimization Achieve peak performance from your ERP platform while minimizing downtime and lowering TCO Advanced Tuning for JD Edwards Enterprise One Implementations shows how to plan and adopt a structured top to bottom maintenance methodology Uncover and eliminate bottlenecks maximize efficiency at every component layer troubleshoot databases and web servers automate system testing and handle mobile issues This Oracle Press guide offers complete coverage of the latest cloud clustering load balancing and virtualization solutions Understand the components of a structured tuning plan Establish benchmarks and implement key industry practices Perform changes and accurately measure system wide impact Diagnose and repair HTTP web application and Java issues Troubleshoot Oracle Database connections and transactions Streamline Oracle s JD Edwards EnterpriseOne kernel and JDEnET processes Configure test and manage virtual machines and servers Work with Oracle Exadata Database Machine and Oracle Exalogic Elastic Cloud

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Java EE 7 Essentials Arun Gupta,2013 Get up to speed on the principal technologies in the Java Platform Enterprise Edition 7 and learn how the latest version embraces HTML5 focuses on higher productivity and provides functionality to meet enterprise demands Written by Arun Gupta a key member of the Java EE team this book provides a chapter by chapter survey of several Java EE 7 specifications including WebSockets Batch Processing RESTful Web Services and Java Message Service You ll also get self paced instructions for building an end to end application with many of the technologies described in the book which will help you understand the design patterns vital to Java EE development Understand the key components of the Java EE platform with easy to understand explanations and extensive code samples Examine all the new components that have been added to Java EE 7 platform such as WebSockets JSON Batch and Concurrency Learn about RESTful Web Services SOAP XML based messaging protocol and Java Message Service Explore Enterprise JavaBeans Contexts and Dependency Injection and the Java Persistence API Discover how different components were updated from Java EE 6 to Java EE 7

Java Performance Scott Oaks,2014 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 u2019ll 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 SE 7 Programming Essentials Michael Ernest,2012-11-13 Learn core programming concepts and technologies on the leading software development language This full color book covers fundamental Java programming concepts and skills for those new to software development and programming Taking a straightforward and

direct approach Java SE 7 Programming Essentials provides a solid foundational knowledge of programming topics Each chapter begins with a list of topic areas and author Michael Ernest provides clear and concise discussion of these core areas The chapters contain review questions and suggested labs so the reader can measure their understanding of the chapter topics Covers topics such as working with Java data types using operators and decision constructs creating and using arrays and much more Includes additional learning tutorials and tools Puts the focus on Oracle s new Oracle Certified Associate OCA Java SE 7 Programmer 1Z0 803 exam This must have resource offers new programmers a solid understanding of the Java SE 7 programming language **A Study in Performance Optimization for Java 2, Enterprise Edition**

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