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Systems Performance - Brendan Gregg 2014
The Complete Guide to Optimizing Systems Performance Written by the winner of the 2013 LISA Award for Outstanding Achievement in System Administration Large-scale enterprise, cloud, and virtualized computing systems have introduced serious performance challenges. Now, internationally renowned performance expert Brendan Gregg has brought together proven methodologies, tools, and metrics for analyzing and tuning even the most complex environments. *Systems Performance: Enterprise and the Cloud* focuses on Linux® and Unix® performance, while illuminating performance issues that are relevant to all operating systems. You'll gain deep insight into how systems work and perform, and learn methodologies for analyzing and improving system and application performance. Gregg presents examples from bare-metal systems and virtualized cloud tenants running Linux-based Ubuntu®, Fedora®, CentOS, and the illumos-based Joyent® SmartOS™ and OmniTI OmniOS®. He systematically covers modern systems performance, including the “traditional” analysis of CPUs, memory, disks, and networks, and new areas including cloud computing and dynamic tracing. This book also helps you identify and fix the “unknown unknowns” of complex performance: bottlenecks that emerge from

elements and interactions you were not aware of. The text concludes with a detailed case study, showing how a real cloud customer issue was analyzed from start to finish. Coverage includes

- Modern performance analysis and tuning: terminology, concepts, models, methods, and techniques
- Dynamic tracing techniques and tools, including examples of DTrace, SystemTap, and perf
- Kernel internals: uncovering what the OS is doing
- Using system observability tools, interfaces, and frameworks
- Understanding and monitoring application performance
- Optimizing CPUs: processors, cores, hardware threads, caches, interconnects, and kernel scheduling
- Memory optimization: virtual memory, paging, swapping, memory architectures, busses, address spaces, and allocators
- File system I/O, including caching
- Storage devices/controllers, disk I/O workloads, RAID, and kernel I/O
- Network-related performance issues: protocols, sockets, interfaces, and physical connections
- Performance implications of OS and hardware-based virtualization, and new issues encountered with cloud computing
- Benchmarking: getting accurate results and avoiding common mistakes

This guide is indispensable for anyone who operates enterprise or cloud environments: system, network, database, and web admins; developers;

and other professionals. For students and others new to optimization, it also provides exercises reflecting Gregg's extensive instructional experience.

Computerworld - 1998-02-16

For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

Practical UNIX and Internet Security -

Simson Garfinkel 2003-02-21

When Practical Unix Security was first published more than a decade ago, it became an instant classic. Crammed with information about host security, it saved many a Unix system administrator from disaster. The second edition added much-needed Internet security coverage and doubled the size of the original volume. The third edition is a comprehensive update of this very popular book - a companion for the Unix/Linux system administrator who needs to secure his or her organization's system, networks, and web presence in an increasingly hostile world. Focusing on the four most popular Unix variants today--Solaris, Mac OS X, Linux, and FreeBSD--this book contains new information on PAM (Pluggable Authentication Modules), LDAP, SMB/Samba, anti-theft technologies, embedded systems, wireless and laptop issues, forensics, intrusion detection, chroot jails, telephone scanners and firewalls, virtual and cryptographic filesystems, WebNFS, kernel security levels, outsourcing, legal issues, new Internet protocols and cryptographic algorithms, and much more. Practical Unix & Internet Security consists of six parts: Computer security basics: introduction to security problems and solutions, Unix history and lineage, and the importance of security policies as a basic element of system security. Security building blocks: fundamentals of Unix passwords, users, groups, the Unix filesystem, cryptography, physical security, and personnel security. Network security: a detailed look at modem and dialup security, TCP/IP, securing individual network services, Sun's RPC, various host and network authentication systems (e.g.,

NIS, NIS+, and Kerberos), NFS and other filesystems, and the importance of secure programming. Secure operations: keeping up to date in today's changing security world, backups, defending against attacks, performing integrity management, and auditing. Handling security incidents: discovering a break-in, dealing with programmed threats and denial of service attacks, and legal aspects of computer security. Appendixes: a comprehensive security checklist and a detailed bibliography of paper and electronic references for further reading and research. Packed with 1000 pages of helpful text, scripts, checklists, tips, and warnings, this third edition remains the definitive reference for Unix administrators and anyone who cares about protecting their systems and data from today's threats.

C and C++ Programming Concepts and Data Structures - Subramanyam 2019-04-30

A good knowledge of C and C++ which is a fore runner to Object Oriented Programming is necessary for all Engineers and Scientists to tackle real time problems involving a voluminous data of different types and structures.

Java - Walter Savitch 2014-03-03

Note: You are purchasing a standalone product; MyProgrammingLab does not come packaged with this content. If you would like to purchase both the physical text and MyProgrammingLab search for ISBN-10: 0133862119/ISBN-13: 9780133862119. That package includes ISBN-10: 0133766268/ISBN-13: 9780133766264 and ISBN-10: 0133841030 /ISBN-13: 9780133841039. MyProgrammingLab is not a self-paced technology and should only be purchased when required by an instructor. Java: An Introduction to Problem Solving and Programming, 7e, is ideal for introductory Computer Science courses using Java, and other introductory programming courses in departments of Computer Science, Computer Engineering, CIS, MIS, IT, and Business. It also serves as a useful Java fundamentals reference for programmers. Students are introduced to object-oriented programming and important concepts such as design, testing and debugging, programming style, interfaces inheritance, and exception handling. The Java coverage is a concise, accessible introduction that covers key language features. Objects are covered

thoroughly and early in the text, with an emphasis on application programs over applets. MyProgrammingLab for Java is a total learning package. MyProgrammingLab is an online homework, tutorial, and assessment program that truly engages students in learning. It helps students better prepare for class, quizzes, and exams—resulting in better performance in the course—and provides educators a dynamic set of tools for gauging individual and class progress. Teaching and Learning Experience This program presents a better teaching and learning experience—for you and your students. Personalized Learning with MyProgrammingLab: Through the power of practice and immediate personalized feedback, MyProgrammingLab helps students fully grasp the logic, semantics, and syntax of programming. A Concise, Accessible Introduction to Java: Key Java language features are covered in an accessible manner that resonates with introductory programmers. Tried-and-true Pedagogy: Numerous case studies, programming examples, and programming tips are used to help teach problem-solving and programming techniques. Flexible Coverage that Fits your Course: Flexibility charts and optional graphics sections allow instructors to order chapters and sections based on their course needs. Instructor and Student Resources that Enhance Learning: Resources are available to expand on the topics presented in the text.

The UNIX-haters Handbook - Simson Garfinkel 1994

This book is for all people who are forced to use UNIX. It is a humorous book--pure entertainment--that maintains that UNIX is a computer virus with a user interface. It features letters from the thousands posted on the Internet's "UNIX-Haters" mailing list. It is not a computer handbook, tutorial, or reference. It is a self-help book that will let readers know they are not alone.

The Java Native Interface - Sheng Liang 1999
The Java Native Interface (JNI) enables the integration of code written in the Java programming language with code written in other languages such as C and C++. It allows programmers to take full advantage of the Java platform without having to abandon their investment in legacy code. This book is the

definitive resource and a comprehensive guide to working with the JNI. Entirely up-to-date, the book offers a tutorial, a detailed description of JNI features and programming techniques, JNI design justifications, and the official specification for all JNI types and functions. You will find coverage of important topics such as: Writing native methods Passing data types between the Java language and native programming languages Embedding a Java virtual machine implementation in native applications Leveraging legacy native libraries Improving the efficiency and reliability of your code An entire chapter is devoted to avoiding common traps and pitfalls. The book uses numerous examples to illustrate programming techniques that have proven to be effective.

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Concepts Of Programming Languages - Sebesta 2016

Introduces students to the fundamental concepts of computer programming languages and provides them with the tools necessary to evaluate contemporary and future languages. An in-depth discussion of programming language structures, such as syntax and lexical and syntactic analysis, also prepares students to study compiler design. The Eleventh Edition maintains an up-to-date discussion on the topic with the removal of outdated languages such as Ada and Fortran. The addition of relevant new topics and examples such as reflection and exception handling in Python and Ruby add to the currency of the text. Through a critical analysis of design issues of various program languages, *Concepts of Programming Languages* teaches students the essential differences between computing with specific languages. Robert W. Sebesta is Associate Professor Emeritus, Computer Science Office, UCCS, University of Colorado at Colorado Springs. -- Publisher's note.

The Java FAQ (The Only Books Authorized By Javasoft) - Kanerva 1997-09

F&S Index International Annual - 1997

Learning Java - Patrick Niemeyer 2002

A tutorial introducing Java basics covers programming principles, integrating applets with Web applications, and using threads,

arrays, and sockets.

Dr. Dobb's Journal - 2004

The Rise of Open Source Licensing - Mikko Välimäki 2005

The Java Language Specification - James Gosling 2013

The definitive, up-to-the-minute Java SE 7 reference, written by the language's inventors and current stewards! * *Meticulous coverage of Java SE 7 syntax, semantics, and constructs: the complete current state of the language. *Packed with ready-to-execute Java SE 7 sample programs. *Full chapter on thread and lock semantics, including complete memory model for high-performance shared-memory multiprocessor implementations. *Covers new JSR 334 features and non-Java language support. Written by Java's inventors and current stewards, this is the definitive Java language reference. It meticulously explains Java SE 7's syntax, semantics, and constructs, thoroughly defining the language's current state and evolution. A 'software-engineering-level' discussion of how the newest version of Java is organized and how it works, it reflects all recent changes to the language, demonstrating them through dozens of example programs -- most of them in 'ready to execute' form. The Java Language Specification, Java SE 7 Edition includes a full chapter describing the semantics of threads and locks, and specifying a memory model for high-performance shared memory multiprocessor implementations. It covers all of the practical new features specified by JSR 334, Small Enhancements to the Java Programming Language: features intended to help programmers become far more productive on a day-to-day basis. The authors also show how Java SE 7 accommodates non-Java languages (including dynamically-typed languages such as Clojure, Groovy and Scala) and present specific information on important modifications to method invocation (JSR 292). This reference will be an indispensable resource for hardcore Java developers who want to know exactly how the language works under the hood, and why it works that way -- so they can create programs that deliver outstanding performance, efficiency, and reliability.

InfoWorld - 1998-02-23

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

Java Performance - Charlie Hunt 2012

This is the first one-stop guide to identifying, isolating, and fixing Java performance issues on multicore and multiprocessor platforms.

The Unicode Standard 5.0 - Unicode Consortium 2007

"Hard copy versions of the Unicode Standard have been among the most crucial and most heavily used reference books in my personal library for years." --Donald E. Knuth, The Art of Computer Programming "For more than a decade, Unicode has been a foundation for many Microsoft products and technologies; Unicode Standard Version 5.0 will help us deliver important new benefits to users." --Bill Gates, chairman, Microsoft Corporation "The path W3C follows to making text on the Web truly global is Unicode." --Sir Tim Berners-Lee, kbe, Web inventor and director of the World Wide Consortium (W3C) "Without Unicode, Java wouldn't be Java, and the Internet would have a harder time connecting the people of the world." --James Gosling, Inventor of Java, Sun Microsystems, Inc. These and other software luminaries recognize that Unicode has become an indispensable tool for supporting an increasingly global marketplace (see inside for more acclaim). A comprehensive system of standards for representing alphabets throughout the world, Unicode is the basis for modern programming-- Windows, XML, Python, PERL, Mac OS, Linux--and every major search engine and browser in operation today. New to Unicode Version 5.0 A stable foundation for Unicode Security Mechanisms Property data for the Unicode Collation Algorithm and Common Locale Data Repository Improvements to the Unicode Encoding Model for UTF-8 Rigorous stability of case folding and identifiers for improved interoperability and backward compatibility--enabling additional new ways to optimize code A systematic framework for improved text processing for greater reliability--covering combining characters, Unicode strings, line breaking, and segmentation This new edition of Unicode's official reference manual

has been substantially updated to document the latest revisions to the Unicode Standard, with hundreds of pages of new information. It includes major revisions to text, figures, tables, definitions, and conformance clauses, and provides clear and practical answers to common questions. For the first time, the book contains the Unicode Standard Annexes, which specify vital processes such as text normalization and identifier parsing. These improvements are so important that Version 5.0 is the basis for Microsoft's Vista generation of operating systems, and is included in upgrade plans for Google, Yahoo!, and ICU, to name but a few. This is the one book all developers using Unicode must have.

The Java Programming Language - Ken Arnold
1996

Part of The Java Series, The Java Programming Language is the definitive technical guide to the Java language. Ken Arnold and James Gosling explain Java's design motivations and tradeoffs, while presenting a wealth of practical examples. (Communications/Networking)

The Design and Evolution of C++ - Bjarne Stroustrup
1994-10-08

JNDI API Tutorial and Reference - Rosanna Lee
2000

PLEASE PROVIDE DESCRIPTION

F & S Index United States - 1997

Java Cookbook - Ian F. Darwin 2014-06-25

From lambda expressions and JavaFX 8 to new support for network programming and mobile development, Java 8 brings a wealth of changes. This cookbook helps you get up to speed right away with hundreds of hands-on recipes across a broad range of Java topics. You'll learn useful techniques for everything from debugging and data structures to GUI development and functional programming. Each recipe includes self-contained code solutions that you can freely use, along with a discussion of how and why they work. If you are familiar with Java basics, this cookbook will bolster your knowledge of the language in general and Java 8's main APIs in particular. Recipes include: Methods for compiling, running, and debugging
Manipulating, comparing, and rearranging text
Regular expressions for string- and pattern-

matching Handling numbers, dates, and times
Structuring data with collections, arrays, and other types
Object-oriented and functional programming techniques
Directory and filesystem operations
Working with graphics, audio, and video
GUI development, including JavaFX and handlers
Network programming on both client and server
Database access, using JPA, Hibernate, and JDBC
Processing JSON and XML for data storage
Multithreading and concurrency

Object-Oriented and Classical Software Engineering - Stephen R. Schach 2001-11

Classical and Object-Oriented Software Engineering, 5/e is designed for an introductory software engineering course. This book provides an excellent introduction to software engineering fundamentals, covering both traditional and object-oriented techniques. Schach's unique organization and style makes it excellent for use in a classroom setting. It presents the underlying software engineering theory in Part I and follows it up with the more practical life-cycle material in Part II. Many software engineering books are more like reference books, which do not provide the appropriate fundamentals before inundating students with implementation details. In this edition, more practical material has been added to help students understand how to use what they are learning. This has been done through the use of "How To" boxes and greater implementation detail in the case study. Additionally, the new edition contains the references to the most current literature and includes an overview of extreme programming. The website in this edition will be more extensive. It will include Solutions, PowerPoints that incorporate lecture notes, newly developed self-quizz questions, and source code for the term project and case study.
F & S Index United States Annual - 1997

Inside Java 2 Platform Security - Li Gong 2003

This authoritative Java security book is written by the architect of the Java security model. It chronicles J2EE v1.4 security model enhancements that will allow developers to build safer, more reliable, and more impenetrable programs.

DTrace - Brendan Gregg 2011-03-18

The Oracle Solaris DTrace feature revolutionizes the way you debug operating systems and applications. Using DTrace, you can dynamically instrument software and quickly answer virtually any question about its behavior. Now, for the first time, there's a comprehensive, authoritative guide to making the most of DTrace in any supported UNIX environment--from Oracle Solaris to OpenSolaris, Mac OS X, and FreeBSD. Written by key contributors to the DTrace community, DTrace teaches by example, presenting scores of commands and easy-to-adapt, downloadable D scripts. These concise examples generate answers to real and useful questions, and serve as a starting point for building more complex scripts. Using them, you can start making practical use of DTrace immediately, whether you're an administrator, developer, analyst, architect, or support professional. The authors fully explain the goals, techniques, and output associated with each script or command. Drawing on their extensive experience, they provide strategy suggestions, checklists, and functional diagrams, as well as a chapter of advanced tips and tricks. You'll learn how to Write effective scripts using DTrace's D language Use DTrace to thoroughly understand system performance Expose functional areas of the operating system, including I/O, filesystems, and protocols Use DTrace in the application and database development process Identify and fix security problems with DTrace Analyze the operating system kernel Integrate DTrace into source code Extend DTrace with other tools This book will help you make the most of DTrace to solve problems more quickly and efficiently, and build systems that work faster and more reliably.

The Cathedral & the Bazaar - Eric S.

Raymond 2001-02-01

Open source provides the competitive advantage in the Internet Age. According to the August Forrester Report, 56 percent of IT managers interviewed at Global 2,500 companies are already using some type of open source software in their infrastructure and another 6 percent will install it in the next two years. This revolutionary model for collaborative software development is being embraced and studied by many of the biggest players in the high-tech industry, from Sun Microsystems to IBM to Intel. *The Cathedral & the Bazaar* is a must for anyone who cares

about the future of the computer industry or the dynamics of the information economy. Already, billions of dollars have been made and lost based on the ideas in this book. Its conclusions will be studied, debated, and implemented for years to come. According to Bob Young, "This is Eric Raymond's great contribution to the success of the open source revolution, to the adoption of Linux-based operating systems, and to the success of open source users and the companies that supply them." The interest in open source software development has grown enormously in the past year. This revised and expanded paperback edition includes new material on open source developments in 1999 and 2000. Raymond's clear and effective writing style accurately describing the benefits of open source software has been key to its success. With major vendors creating acceptance for open source within companies, independent vendors will become the open source story in 2001.

The Java Programming Language - Ken Arnold
2000

A guide for intermediate to advanced developers covers core Java fundamentals, advanced language features, classes, interfaces, class design, threading, and language statements.

Network World - 1997-06-23

For more than 20 years, Network World has been the premier provider of information, intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations. Readers are responsible for designing, implementing and managing the voice, data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce.

Head First Java - Kathy Sierra 2005-02-09

Learning a complex new language is no easy task especially when it's an object-oriented computer programming language like Java. You might think the problem is your brain. It seems to have a mind of its own, a mind that doesn't always want to take in the dry, technical stuff you're forced to study. The fact is your brain craves novelty. It's constantly searching, scanning, waiting for something unusual to happen. After all, that's the way it was built to help you stay alive. It takes all the routine,

ordinary, dull stuff and filters it to the background so it won't interfere with your brain's real work--recording things that matter. How does your brain know what matters? It's like the creators of the Head First approach say, suppose you're out for a hike and a tiger jumps in front of you, what happens in your brain? Neurons fire. Emotions crank up. Chemicals surge. That's how your brain knows. And that's how your brain will learn Java. Head First Java combines puzzles, strong visuals, mysteries, and soul-searching interviews with famous Java objects to engage you in many different ways. It's fast, it's fun, and it's effective. And, despite its playful appearance, Head First Java is serious stuff: a complete introduction to object-oriented programming and Java. You'll learn everything from the fundamentals to advanced topics, including threads, network sockets, and distributed programming with RMI. And the new, second edition focuses on Java 5.0, the latest version of the Java language and development platform. Because Java 5.0 is a major update to the platform, with deep, code-level changes, even more careful study and implementation is required. So learning the Head First way is more important than ever. If you've read a Head First book, you know what to expect--a visually rich format designed for the way your brain works. If you haven't, you're in for a treat. You'll see why people say it's unlike any other Java book you've ever read. By exploiting how your brain works, Head First Java compresses the time it takes to learn and retain--complex information. Its unique approach not only shows you what you need to know about Java syntax, it teaches you to think like a Java programmer. If you want to be bored, buy some other book. But if you want to understand Java, this book's for you.

Instructor Edition - Shelly 2006-02

Provides a current and thorough introduction to computers by integrating usage of the World Wide Web with the printed text.

Inventing the Cloud Century - Marcus Oppitz
2017-08-03

This book combines the three dimensions of technology, society and economy to explore the advent of today's cloud ecosystems as successors to older service ecosystems based on networks. Further, it describes the shifting of

services to the cloud as a long-term trend that is still progressing rapidly. The book adopts a comprehensive perspective on the key success factors for the technology - compelling business models and ecosystems including private, public and national organizations. The authors explore the evolution of service ecosystems, describe the similarities and differences, and analyze the way they have created and changed industries. Lastly, based on the current status of cloud computing and related technologies like virtualization, the internet of things, fog computing, big data and analytics, cognitive computing and blockchain, the authors provide a revealing outlook on the possibilities of future technologies, the future of the internet, and the potential impacts on business and society.

InfoWorld - 1996-03-25

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

Cloud Computing - Dan C. Marinescu
2013-05-30

Cloud Computing: Theory and Practice provides students and IT professionals with an in-depth analysis of the cloud from the ground up. Beginning with a discussion of parallel computing and architectures and distributed systems, the book turns to contemporary cloud infrastructures, how they are being deployed at leading companies such as Amazon, Google and Apple, and how they can be applied in fields such as healthcare, banking and science. The volume also examines how to successfully deploy a cloud application across the enterprise using virtualization, resource management and the right amount of networking support, including content delivery networks and storage area networks. Developers will find a complete introduction to application development provided on a variety of platforms. Learn about recent trends in cloud computing in critical areas such as: resource management, security, energy consumption, ethics, and complex systems Get a detailed hands-on set of practical recipes that help simplify the deployment of a cloud based system for practical use of computing clouds along with an in-depth discussion of several projects Understand the evolution of cloud computing and why the cloud

computing paradigm has a better chance to succeed than previous efforts in large-scale distributed computing

The Java Virtual Machine Specification, Java SE 7 Edition - Tim Lindholm 2013-02-15

Written by the inventors of the technology, The Java® Virtual Machine Specification, Java SE 7 Edition, is the definitive technical reference for the Java Virtual Machine. The book provides complete, accurate, and detailed coverage of the Java Virtual Machine. It fully describes the invokedynamic instruction and method handle mechanism added in Java SE 7, and gives the formal Prolog specification of the type-checking verifier introduced in Java SE 6. The book also includes the class file extensions for generics and annotations defined in Java SE 5.0, and aligns the instruction set and initialization rules with the Java Memory Model.

The Java Language Specification - James Gosling 2000

For nearly five years, one book has served as the definitive reference to Java for all serious developers: The Java Language Specification, by James Gosling, Bill Joy, and Guy Steele. Now, these world-renowned Java authorities (along with new co-author Gilad Bracha) have delivered a monumental update. This completely revised Second Edition covers the Java 2 Platform Standard Edition Version 1.3 with unprecedented depth and precision, offering the invaluable insights of Java's creators to every developer. There is no better source for learning everything about the Syntax and Semantics of the Java programming language. Developers will turn to this book again and again.

Chicago Tribune Index - 1998

Operating System Concepts Essentials, 2nd Edition - Abraham Silberschatz 2013-11-06

By staying current, remaining relevant, and adapting to emerging course needs, Operating System Concepts by Abraham Silberschatz, Peter Baer Galvin and Greg Gagne has defined the operating systems course through nine editions. This second edition of the Essentials version is based on the recent ninth edition of the original text. Operating System Concepts Essentials comprises a subset of chapters of the ninth edition for professors who want a shorter text and do not cover all the topics in the ninth

edition. The new second edition of Essentials will be available as an ebook at a very attractive price for students. The ebook will have live links for the bibliography, cross-references between sections and chapters where appropriate, and new chapter review questions. A two-color printed version is also available.

The Hacker's Dictionary - Eric S. Raymond 2017-06-19

This document is a collection of slang terms used by various subcultures of computer hackers. Though some technical material is included for background and flavor, it is not a technical dictionary; what we describe here is the language hackers use among themselves for fun, social communication, and technical debate.

Oracle Solaris 11 System Virtualization Essentials - Jeff Victor 2016-09-05

A Concise, Up-to-Date Guide to Oracle Virtualization Technologies, Including Oracle Solaris Zones, Oracle VM Server for SPARC, Physical Domains, and Oracle VM Virtual Box Oracle Solaris 11 System Virtualization Essentials, Second Edition, has been fully updated for Oracle 11 and is a complete, practical, and up-to-date guide to selecting, implementing, and applying today's Oracle virtualization technologies to real-world business problems. Four Oracle experts thoroughly cover current Oracle Solaris virtualization options. They help you understand key use cases, including consolidation, asynchronous workloads, software development, testing/staging, workload mobility, legacy OS support, provisioning, scalability, fine-grained OS changes, and security. They also compare and address each leading approach to virtualization: OS virtualization, hypervisor-based virtual machines, and hardware partitioning. The authors illuminate the use of virtualization with many Oracle software applications and engineered systems, including SuperCluster, Secure Enterprise Cloud Infrastructure, Exalytics, Oracle Database, and security hardening scenarios. Bringing together case study examples and in-the-trenches experience, this guide explains how to Leverage Oracle Solaris Zones to improve security, deployment, resource usage, and management Use Logical Domains to deploy different versions of Oracle Solaris on SPARC systems Maximize

workload isolation on SPARC systems with
Physical Domains Use Oracle Solaris Zones to
optimize workload efficiency and scalability
Improve data center flexibility with live
migration Develop and test software in
heterogeneous environments with Oracle VM

Virtual Box Mix virtualization technologies to
maximize workload density Migrate Solaris 10
workloads to new hardware via Solaris Zones
Register your product at informit.com/register
for convenient access to downloads, updates,
and corrections as they become available.