

## *Solaris 10 Security Essentials Oracle Solaris System Administration Series*

Thousands of IT organizations have adopted clustering to improve the availability of mission-critical software services. Today, with the rapid growth of cloud computing environments, clustering is even more crucial. Now, there ' s a comprehensive, authoritative guide to the industry ' s most stable, robust clustering platform: the Oracle Solaris Cluster. Oracle® Solaris Cluster Essentials thoroughly covers both Oracle Solaris Cluster 3.2 and Oracle Solaris Cluster Geographic Edition, offering start-to-finish lifecycle guidance for planning, implementation, management, and troubleshooting. Authored by Oracle Solaris Cluster expert Tim Read, this book covers both high availability and disaster recovery features, and offers detailed guidance for both Oracle and non-Oracle database environments. It also presents several example implementations that can be used to quickly construct effective proofs-of-concept. Whether you ' re new to clustering or upgrading from older solutions, this book brings together all the information you ' ll need to maximize the value, reliability, and performance of any Oracle Solaris Cluster environment. You ' ll learn how to Understand Oracle Solaris Cluster ' s product features and architecture, and their implications for design and performance Establish requirements and design clustered systems that reflect them Master best practices for integrating clustering with virtualization Implement proven disaster recovery planning techniques Efficiently maintain Oracle Solaris Cluster environments Part of the Solaris System Administration Series, Oracle® Solaris Cluster Essentials combines a complete technology introduction and hands-on guide for every architect, administrator, and IT manager responsible for high availability and business continuity.

Oracle® Solaris 11 System Administration covers every skill required to effectively install and administer the Oracle® Solaris 11.1 operating system in production environments. It features dozens of step-by-step "learn by example" procedures, demonstrating how to apply complex solutions in real-world data center environments. Author Bill Calkins has administered and taught Oracle Solaris and its predecessors for more than twenty years. He also helped develop the newest Oracle Certified Associate (OCA) and Oracle Certified Professional (OCP) exams, which raise the bar for Solaris certification. This guide covers every new 1Z0-821 exam topic in detail and also covers many 1Z0-822 exam topics. Calkins also reviews the changes that system administrators will face when upgrading to Solaris 11.1 and presents new ways to perform familiar tasks on both SPARC and x86 hardware. You'll learn how to Install the Solaris 11 Operating Environment with Live Media or Text Interactive installers Install, manage, and update software with the Image Packaging System and IPS repositories Understand, customize, and troubleshoot SPARC and x86 boot processes from system power-up to loading the OS (including coverage of ILOM, OpenBoot, and GRUB 2) Administer and create services through the service management facility (SMF) Configure system messaging using SMF notifications, syslog and rsyslog Configure and administer ZFS storage pools, including ZFS on the boot drive, local disks, LUNs, and a SAN Configure and manage ZFS file systems: encryption, redundancy, snapshots, clones, network sharing, monitoring, device replacement, and legacy UFS migration Create, migrate, contain, and administer zones, including solaris10 branded and immutable zones Use RBAC to create custom rights profiles and grant special privileges Manage and monitor system process scheduler (including FSS process schedulers and proc tools) Configure Solaris networking and network services, including Reactive and Fixed Network Configurations, VNICs, and Virtual Networking A companion website ([unixed.com/solaris11book.html](http://unixed.com/solaris11book.html)) includes new 1Z0-821 and 1Z0-822 study strategies and self-assessment exams.

Solaris™ Application Programming is a comprehensive guide to optimizing the performance of applications running in your Solaris environment. From the fundamentals of system performance to using analysis and optimization tools to their fullest, this wide-ranging resource shows developers and software architects how to get the most from Solaris systems and applications. Whether you ' re new to performance analysis and optimization or an experienced developer searching for the most efficient ways to solve performance issues, this practical guide gives you the background information, tips, and techniques for developing, optimizing, and debugging applications on Solaris. The text begins with a detailed overview of the components that affect system performance. This is followed by explanations of the many developer tools included with Solaris OS and the Sun Studio compiler, and then it takes you beyond the basics with practical, real-world examples. In addition, you will learn how to use the rich set of developer tools to identify performance problems, accurately interpret output from the tools, and choose the smartest, most efficient approach to correcting specific problems and achieving maximum system performance. Coverage includes A discussion of the chip multithreading (CMT) processors from Sun and how they change the way that developers need to think about performance A detailed introduction to the performance analysis and optimization tools included with the Solaris OS and Sun Studio compiler Practical examples for using the developer tools to their fullest, including informational tools, compilers, floating point optimizations, libraries and linking, performance profilers, and debuggers Guidelines for interpreting tool analysis output Optimization, including hardware performance counter metrics and source code optimizations Techniques for improving application performance using multiple processes, or multiple threads An overview of hardware and software components that affect system performance, including coverage of SPARC and x64 processors

The free book "Fundamentals of Computer Programming with C#" is a comprehensive computer programming tutorial that teaches programming, logical thinking, data structures and algorithms, problem solving and high quality code with lots of examples in C#. It starts with the first steps in programming and software development like variables, data types, conditional statements, loops and arrays and continues with other basic topics like methods, numeral systems, strings and string processing, exceptions, classes and objects. After the basics this fundamental programming book enters into more advanced programming topics like recursion, data structures (lists, trees, hash-tables and graphs), high-quality code, unit testing and refactoring, object-oriented principles (inheritance, abstraction, encapsulation and polymorphism) and their implementation the C# language. It also covers fundamental topics that each good developer should know like algorithm design, complexity of algorithms and problem solving. The book uses C# language and Visual Studio to illustrate the programming concepts and explains some C# / .NET specific technologies like lambda expressions, extension methods and LINQ. The book is written by a team of developers lead by Svetlin Nakov who has 20+ years practical software development experience. It teaches the major programming concepts and way of thinking needed to become a good software engineer and the C# language in the meantime. It is a great start for anyone who wants to become a skillful software engineer. The books does not teach technologies like databases, mobile and web development, but shows the true way to master the basics of programming regardless of the languages, technologies and tools. It is good for beginners and intermediate developers who want to put a solid base for a successful career in the software engineering industry. The book is accompanied by free video lessons, presentation slides and mind maps, as well as hundreds of exercises and live examples. Download the free C# programming book, videos, presentations and other resources from <http://introprogramming.info>. Title: Fundamentals of Computer Programming with C# (The Bulgarian C# Programming Book) ISBN: 9789544007737 ISBN-13: 978-954-400-773-7 (9789544007737) ISBN-10: 954-400-773-3 (9544007733) Author: Svetlin Nakov & Co. Pages: 1132 Language: English Published: Sofia, 2013 Publisher: Faber Publishing, Bulgaria Web site: <http://www.introprogramming.info> License: CC-Attribution-Share-Alike Tags: free, programming, book, computer programming, programming fundamentals, ebook, book programming, C#, CSharp, C# book, tutorial, C# tutorial; programming concepts, programming fundamentals, compiler, Visual Studio, .NET, .NET Framework, data types, variables, expressions, statements, console, conditional statements, control-flow logic, loops, arrays, numeral systems, methods, strings, text processing, StringBuilder, exceptions, exception handling, stack trace, streams, files, text files, linear data structures, list, linked list, stack, queue, tree, balanced tree, graph, depth-first search, DFS, breadth-first search, BFS, dictionaries, hash tables, associative arrays, sets, algorithms, sorting algorithm, searching algorithms, recursion, combinatorial algorithms, algorithm complexity, OOP, object-oriented programming, classes, objects, constructors, fields, properties, static members, abstraction, interfaces, encapsulation, inheritance, virtual methods, polymorphism, cohesion, coupling, enumerations, generics, namespaces, UML, design patterns, extension methods, anonymous types, lambda expressions, LINQ, code quality, high-quality code, high-quality classes, high-quality methods, code formatting, self-documenting code, code refactoring, problem solving, problem solving methodology, 9789544007737, 9544007733

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OCA Oracle Solaris 11 System Administration Exam Guide (Exam 1Z0-821)  
Systems Performance

Sun Certified System Administrator for Solaris 8 Study Guide

Oracle Essentials

The Ultimate Resource on Solaris 10. Includes full details on all the new features. Maximize all the capabilities of Sun Microsystems' FREE, innovative, and powerful UNIX-based operating system with help from this authoritative guide. Get full details on installation, process and device management, access control and security, networking, services, directories, and applications. You'll learn to take advantage of the new features available in Solaris 10, including the rewritten TCP/IP stack, the enhanced cryptographic framework, cross-platform optimization, Linux interoperability, and much more. Whether you're new to Solaris or migrating from Linux or Windows, you'll need this comprehensive resource. Install and run Solaris 10 on UltraSPARC or Intel systems Manage files, directories, and processes, and use shell commands Set up user- and role-based access control Use the Solaris Management Console (SMC) to manage users and groups Configure devices and file systems Implement efficient backup and recovery services Enable system logging, monitoring, accounting, and tuning Configure DHCP, firewalls, and remote access Work with DNS, NIS/NIS+, and LDAP Enable shared file systems and printers using Samba and/or NFS Use Sun Java System Application Server and Apache HTTP Server Direct from Sun's experts: all the practical information needed to manage any Solaris 10 system, in one concise book • • Rock-solid reliable information for running Solaris 10 in any environment, on any platform. • Covers all areas of Solaris 10 administration: installation, upgrades, patching, boot, file systems, processes, fault management, disks, devices, securing, networking, users, containers, naming, printing, and more • An indispensable resource for every new and experienced Solaris sysadmin. This concise, practical book brings together all the information system administrators need to run Solaris 10 successfully in any environment, large or small, on any hardware platform. Authored by a team of Solaris experts at Sun Microsystems, this book offers rock-solid reliable information on every facet of system administration: both day-to-day tasks and the occasional tasks that sysadmins rarely perform, but must be handled correctly the first time. 10 System Administration Essentials assumes no previous experience with Solaris making it ideal for thousands of system administrators moving from other environments, such as Linux or Windows. This book is packed with step-by-step guidance, tested examples, and expert troubleshooting solutions gleaned from real-world enterprise deployments. Topics covered include: Solaris 10 Installation, Upgrade, and Patching ; understanding and managing boot and shutdown; working with file systems; monitoring and controlling system processes; working with fault management; managing disks, devices, and security; configuring networks;

administering and authenticating users; working with containers; and managing both naming and printing services.

Learn Linux, and take your career to the next level! Linux Essentials, 2nd Edition provides a solid foundation of knowledge for anyone considering a career in information technology, for anyone new to the Linux operating system, and for anyone who is preparing to sit for the Linux Essentials Exam. Through this engaging resource, you can access key information in a learning-by-doing style. Hands-on tutorials and end-of-chapter exercises and review questions lead you in both learning and applying new information—information that will help you achieve your goals! With the experience provided in this compelling reference, you can sit down for the Linux Essentials Exam with confidence. An open source operating system, Linux is a UNIX-based platform that is freely updated by developers. The nature of its development means that Linux is a low-cost and secure alternative to other operating systems, and is used in many different IT environments. Passing the Linux Essentials Exam prepares you to apply your knowledge regarding this operating system within the workforce. Access lessons that are organized by task, allowing you to quickly identify the topics you are looking for and navigate the comprehensive information presented by the book Discover the basics of the Linux operating system, including distributions, types of open source applications, freeware, licensing, operations, navigation, and more Explore command functions, including navigating the command line, turning commands into scripts, and more Identify and create user types, users, and groups Linux Essentials, 2nd Edition is a critical resource for anyone starting a career in IT or anyone new to the Linux operating system.

With more than 600 security tools in its arsenal, the Kali Linux distribution can be overwhelming. Experienced and aspiring security professionals alike may find it challenging to select the most appropriate tool for conducting a given test. This practical book covers Kali ' s expansive security capabilities and helps you identify the tools you need to conduct a wide range of security tests and penetration tests. You ' ll also explore the vulnerabilities that make those tests necessary. Author Ric Messier takes you through the foundations of Kali Linux and explains methods for conducting tests on networks, web applications, wireless security, password vulnerability, and more. You ' ll discover different techniques for extending Kali tools and creating your own toolset. Learn tools for stress testing network stacks and applications Perform network reconnaissance to determine what ' s available to attackers Execute penetration tests using automated exploit tools such as Metasploit Use cracking tools to see if passwords meet complexity requirements Test wireless capabilities by injecting frames and cracking passwords Assess web application vulnerabilities with automated or proxy-based tools Create advanced attack techniques by extending Kali tools or developing your own Use Kali Linux to generate reports once testing is complete

Pro Oracle Database 11g RAC on Linux

Enterprise and the Cloud

Solaris 10 System Administration Essentials

, Portable Documents

An Enterprise Perspective on Risks and Compliance

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.

Solaris™ 10 Security Essentials describes the various security technologies contained in the Solaris operating system. The book describes how to make installations secure and how to configure the OS to the particular needs of your environment, whether your systems are on the edge of the Internet or running a data center. The authors present the material in a straightforward way that makes a seemingly arcane subject accessible to system administrators at all levels. The strengths of the Solaris operating system's security model are its scalability and its adaptability. It can protect a single user with login authentication or multiple users with Internet and intranet configurations requiring user-rights management, authentication, encryption, IP security, key management, and more. This book is written for users who need to secure their laptops, network administrators who must secure an entire company, and everyone in between. The book's topics include Zones virtualization security System hardening Trusted Extensions (Multi-layered Security) Privileges and role-based access control (RBAC)

Cryptographic services and key management Auditing Network security Pluggable Authentication Modules (PAM) Solaris™ 10 Security Essentials is the first in a new series on Solaris system administration. It is a superb guide to deploying and managing secure computer environments.

"Cowritten by members of Oracle's big data team, [this book] provides complete coverage of Oracle's comprehensive, integrated set of products for acquiring, organizing, analyzing, and leveraging unstructured data. The book discusses the strategies and technologies essential for a successful big data implementation, including Apache Hadoop, Oracle Big Data Appliance, Oracle Big Data Connectors, Oracle NoSQL Database, Oracle Endeca, Oracle Advanced Analytics, and Oracle's open source R offerings"--Page 4 of cover.

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](http://informit.com/register) for convenient access to downloads, updates, and corrections as they become available.

Practical UNIX and Internet Security

Oracle Solaris 11 System Virtualization Essentials, Second Edition

Secure Coding in C and C++

Dynamic Tracing in Oracle Solaris, Mac OS X, and FreeBSD

Oracle Big Data Handbook

Pro Oracle Database 11g RAC on Linux provides full-life-cycle guidance on implementing Oracle Real Application Clusters in a Linux environment. Real Application Clusters, commonly abbreviated as RAC, is Oracle's industry-leading architecture for scalable and fault-tolerant databases. RAC allows you to scale up and down by simply adding and subtracting inexpensive Linux servers. Redundancy provided by those multiple, inexpensive servers is the basis for the failover and other fault-tolerance features that RAC provides. Written by authors well-known for their talent with RAC, Pro Oracle Database 11g RAC on Linux gives you a rock-solid and technically flawless foundation on which to build your RAC-management skills. Authors Julian Dyke and Steve Shaw share their hard-won experience in building RAC clusters, showing you how to build for success using the very latest Oracle technologies, such as Automatic Storage Management (ASM) and Oracle Clusterware. You'll learn to troubleshoot performance and other problems. You'll even learn how to correctly deploy RAC in a virtual-machine environment based upon Oracle VM, which is the only virtualization solution supported by Oracle Corporation. RAC is a complex and powerful technology. It demands expertise in its deployment. You can't just "wing it" in creating a RAC solution. Julian and Steve have earned the right to term themselves expert—in Pro Oracle Database 11g RAC on Linux, they offer a rigorous and technically-correct treatment of RAC that helps you build a solid foundation of expertise and achieve success. Rigorous and technically accurate content Complete coverage of RAC, from planning to implementation to rollout to ongoing maintenance and troubleshooting Up-to-date with the very latest RAC features Written by experienced Oracle insiders, this essential guide distills a vast amount of information into an easy-to-read volume that covers every aspect of the Oracle database. Readers of all technical levels will learn about Oracle's features and technologies, including the product line, architecture, data structures, networking, concurrency, tuning and much more. Augmented with illustrations and helpful hints, the fifth edition of Oracle Essentials offers a valuable one-stop overview of Oracle Database 12c, Oracle's newest database release. More comprehensible than huge complete references, and more detailed than most primers, this book gives current Oracle users the conceptual background they need to understand how the Oracle database truly works. For those new to Oracle, this all-in-one guide provides an essential introduction that will get them up to speed.

This three-volume set of books highlights major advances in the development of concepts and techniques in the area of new technologies and architectures of contemporary information systems. Further, it helps readers solve specific research and analytical problems and glean useful knowledge and business value from the data. Each chapter provides an analysis of a specific technical problem, followed by a numerical analysis, simulation and implementation of the solution to the real-life problem. Managing an organisation, especially in today's rapidly changing circumstances, is a very complex process. Increased competition in the marketplace, especially as a result of the massive and successful entry of foreign businesses into domestic markets, changes in consumer behaviour, and broader access to new technologies and information, calls for organisational restructuring and the introduction and modification of management methods using the latest advances in science. This situation has prompted many decision-making bodies to introduce computer modelling of organisation management systems. The three books present the peer-reviewed proceedings of the 39th International Conference "Information Systems Architecture and Technology" (ISAT), held on September 16–18, 2018 in Nysa, Poland. The conference was organised by the Computer Science and Management Systems Departments, Faculty of Computer Science and Management, Wroclaw University of Technology and Sciences and University of Applied Sciences in Nysa, Poland. The papers have been grouped into three major parts: Part I—discusses topics including but not limited to Artificial Intelligence Methods, Knowledge Discovery and Data Mining, Big Data, Knowledge Based Management, Internet of Things, Cloud

Computing and High Performance Computing, Distributed Computer Systems, Content Delivery Networks, and Service Oriented Computing. Part II—addresses topics including but not limited to System Modelling for Control, Recognition and Decision Support, Mathematical Modelling in Computer System Design, Service Oriented Systems and Cloud Computing, and Complex Process Modelling. Part III—focuses on topics including but not limited to Knowledge Based Management, Modelling of Financial and Investment Decisions, Modelling of Managerial Decisions, Production Systems Management and Maintenance, Risk Management, Small Business Management, and Theories and Models of Innovation.

When Practical Unix Security was first published more than a decade ago, it became an instant classic. Cramped 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.

Solaris Application Programming

Solaris 10 Security Essentials

First Look

Oracle Solaris Cluster Essentials

Part I

**Essential System Administration, 3rd Edition is the definitive guide for Unix system administration, covering all the fundamental and essential tasks required to run such divergent Unix systems as AIX, FreeBSD, HP-UX, Linux, Solaris, Tru64 and more. Essential System Administration provides a clear, concise, practical guide to the real-world issues that anyone responsible for a Unix system faces daily. The new edition of this indispensable reference has been fully updated for all the latest operating systems. Even more importantly, it has been extensively revised and expanded to consider the current system administrative topics that administrators need most. Essential System Administration, 3rd Edition covers: DHCP, USB devices, the latest automation tools, SNMP and network management, LDAP, PAM, and recent security tools and techniques. Essential System Administration is comprehensive. But what has made this book the guide system administrators turn to over and over again is not just the sheer volume of valuable information it provides, but the clear, useful way the information is presented. It discusses the underlying higher-level concepts, but it also provides the details of the procedures needed to carry them out. It is not organized around the features of the Unix operating system, but around the various facets of a system administrator's job. It describes all the usual administrative tools that Unix provides, but it also shows how to use them intelligently and efficiently. Whether you use a standalone Unix system, routinely provide administrative support for a larger shared system, or just want an understanding of basic administrative functions, Essential System Administration is for you. This comprehensive and invaluable book combines the author's years of practical experience with technical expertise to help you manage Unix systems as productively and painlessly as possible.**

**"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® SmartOSTM 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."--Back cover.

The ZFS file system offers a dramatic advance in data management with an innovative approach to data integrity, tremendous performance improvements, and a welcome integration of file system and volume management capabilities. The centerpiece of this new architecture is the concept of a virtual storage pool, which decouples the file system from physical storage in the same way that virtual memory abstracts the address space from physical memory, allowing for much more efficient use of storage devices. In ZFS, space is shared dynamically between multiple file systems from a single storage pool and is parceled out from the pool as file systems request it. Physical storage can therefore be added to storage pools dynamically, without interrupting services. This provides new levels of flexibility, availability, and performance. Because ZFS is a 128-bit file system, its theoretical limits are truly mind-boggling—2128 bytes of storage and 264 for everything else, including file systems, snapshots, directory entries, devices, and more. Solaris™ 10 ZFS Essentials is the perfect guide for learning how to deploy and manage ZFS file systems. If you are new to Solaris or are using ZFS for the first time, you will find it very easy to get ZFS up and running on your home system or your business IT infrastructure by following the simple instructions in this book. Then you too will understand all the benefits ZFS offers: Rock-solid data integrity No silent data corruption—ever Mind-boggling scalability Breathtaking speed Near-zero administration Solaris™ 10 ZFS Essentials is part of the Solaris System Administration Series and is intended for use as a full introduction and hands-on guide to Solaris ZFS. CISSP GUIDE TO SECURITY ESSENTIALS, Second Edition, provides complete, focused coverage to prepare students and professionals alike for success on the Certified Information Systems Security Professional (CISSP) certification exam. The text opens with an overview of the current state of information security, including relevant legislation and standards, before proceeding to explore all ten CISSP domains in great detail, from security architecture and design to access control and cryptography. Each chapter opens with a brief review of relevant theory and concepts, followed by a strong focus on real-world applications and learning tools designed for effective exam preparation, including key terms, chapter summaries, study questions, hands-on exercises, and case projects. Developed by the author of more than 30 books on information security the Second Edition of this trusted text has been updated to reflect important new developments in technology and industry practices, providing an accurate guide to the entire CISSP common body of knowledge. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

**DTrace**

**Solaris 10 The Complete Reference**

**CISSP Guide to Security Essentials**

**Bit by Bit**

This book is written in simple, easy-to-understand format with lots of screenshots and step-by-step explanations. If you are a Solaris administrator looking for a step-by-step guide to understand the new features and functionality of Oracle Solaris 11, then this is the guide for you. Working knowledge of Solaris is required.

This cookbook has recipes written in simple, easy to understand format with lots of screenshots and insightful tips and hints. If you are an Oracle Database Administrator, Security Manager or Security Auditor looking to secure the Oracle Database or prevent it from being hacked, then this book is for you. This book assumes you have a basic understanding of security concepts.

Solaris™ 10 System Administration Essentials is the first book to concisely yet comprehensively cover all of the breakthrough features of the Solaris 10 operating system. The Solaris OS has a long history of innovation, and the Solaris 10 OS is a watershed release that includes features such as Zones, which provide application isolation and facilitate server consolidation ZFS™, the file system that provides a new approach to managing your data with an easy administration interface The Fault Management Architecture, which automates fault detection and resolution The Service Management Facility, a unified model for services and service management on every Solaris system Dynamic Tracing (DTrace), for troubleshooting OS and application problems on production systems in real time In addition, the Solaris 10 OS fully supports 32-bit and 64-bit x86 platforms, as well as the SPARC® architecture. The book's key topics include Installing, booting, and shutting down a system Managing packages and patches (software updates) Controlling system processes Managing disks and devices Managing users Configuring networks Using printing services Solaris™ 10 System Administration Essentials is part of a new series on Solaris system administration. It is a practical guide to deploying and managing the Solaris 10 operating system in a business or academic environment. The book is easy to read and rich

with examples—a perfect companion for system administrators who are deploying the Solaris OS for the first time.

Let's face it - the high technology field is dominated by men. Many women don't even consider it as an option when making their career choices. Yet this severely handicaps their future economic and career potential. Read this book and shape your future! You will meet some amazing women who have pursued high technology careers, the challenges they faced and the impact they are having on the world around them. You will learn the top 10 reasons to consider a career in high technology and skills you need to enter the field.

Tools and Techniques for Linux and Unix Administration

Cloud Security and Privacy

Learning Kali Linux

Solaris 10 ZFS Essentials

Virtualization Essentials

**You may regard cloud computing as an ideal way for your company to control IT costs, but do you know how private and secure this service really is? Not many people do. With Cloud Security and Privacy, you'll learn what's at stake when you trust your data to the cloud, and what you can do to keep your virtual infrastructure and web applications secure. Ideal for IT staffers, information security and privacy practitioners, business managers, service providers, and investors alike, this book offers you sound advice from three well-known authorities in the tech security world. You'll learn detailed information on cloud computing security that-until now-has been sorely lacking. Review the current state of data security and storage in the cloud, including confidentiality, integrity, and availability Learn about the identity and access management (IAM) practice for authentication, authorization, and auditing of the users accessing cloud services Discover which security management frameworks and standards are relevant for the cloud Understand the privacy aspects you need to consider in the cloud, including how they compare with traditional computing models Learn the importance of audit and compliance functions within the cloud, and the various standards and frameworks to consider Examine security delivered as a service-a different facet of cloud security**

**"The security of information systems has not improved at a rate consistent with the growth and sophistication of the attacks being made against them. To address this problem, we must improve the underlying strategies and techniques used to create our systems. Specifically, we must build security in from the start, rather than append it as an afterthought. That's the point of Secure Coding in C and C++. In careful detail, this book shows software developers how to build high-quality systems that are less vulnerable to costly and even catastrophic attack. It's a book that every developer should read before the start of any serious project." --Frank Abagnale, author, lecturer, and leading consultant on fraud prevention and secure documents Learn the Root Causes of Software Vulnerabilities and How to Avoid Them Commonly exploited software vulnerabilities are usually caused by avoidable software defects. Having analyzed nearly 18,000 vulnerability reports over the past ten years, the CERT/Coordination Center (CERT/CC) has determined that a relatively small number of root causes account for most of them. This book identifies and explains these causes and shows the steps that can be taken to prevent exploitation. Moreover, this book encourages programmers to adopt security best practices and develop a security mindset that can help protect software from tomorrow's attacks, not just today's. Drawing on the CERT/CC's reports and conclusions, Robert Seacord systematically identifies the program errors most likely to lead to security breaches, shows how they can be exploited, reviews the potential consequences, and presents secure alternatives. Coverage includes technical detail on how to Improve the overall security of any C/C++ application Thwart buffer overflows and stack-smashing attacks that exploit insecure string manipulation logic Avoid vulnerabilities and security flaws resulting from the incorrect use of dynamic memory management functions Eliminate integer-related problems: integer overflows, sign errors, and truncation errors Correctly use formatted output functions without introducing format-string vulnerabilities Avoid I/O vulnerabilities, including race conditions Secure Coding in C and C++ presents hundreds of examples of secure code, insecure code, and exploits, implemented for Windows and Linux. If you're responsible for creating secure C or C++ software--or for keeping it safe--no other book offers you this much detailed, expert assistance.**

**Special Ops: Internal Network Security Guide is the solution for the impossible 24-hour IT work day. By now, most companies have hardened their perimeters and locked out the "bad guys," but what has been done on the inside? This book attacks the problem of the soft, chewy center in internal networks. We use a two-pronged approach-Tactical and Strategic-to give readers a complete guide to internal penetration testing. Content includes the newest vulnerabilities and exploits, assessment methodologies, host review guides, secure baselines and case studies to bring it all together. We have scoured the Internet and assembled some of the best to function as Technical Specialists and Strategic Specialists. This creates a diversified project removing restrictive corporate boundaries. The unique style of this book will allow it to cover an incredibly broad range of topics in unparalleled detail. Chapters within the book will be written using the same concepts behind software development. Chapters will be treated like functions within programming code, allowing the authors to call on each other's data. These functions will supplement the methodology when specific technologies are examined thus reducing the common redundancies found in other security books. This book is designed to be the "one-stop shop" for security engineers who want all their information in one place. The technical nature of this may be too much for middle management; however technical managers can use the book to help them understand the challenges faced by the engineers who support their businesses. Ø Unprecedented Team of Security Luminaries. Led by Foundstone Principal Consultant, Erik Pace Birkholz, each of the contributing authors on this book is a recognized superstar in their respective fields. All are highly visible speakers and consultants and their frequent presentations at major industry events such as the Black Hat Briefings and the 29th Annual Computer Security Institute Show in November, 2002 will provide this book with a high-profile launch. Ø The only all-encompassing book on internal network security. Windows 2000, Windows XP, Solaris, Linux and Cisco IOS and their applications are usually running simultaneously in some form on most enterprise networks. Other books deal with these components individually, but no other book provides a comprehensive solution like Special Ops. This book's unique style will give the reader the value of 10 books in 1.**

**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](http://informit.com/register) for convenient access to downloads, updates, and corrections as they become available.**

**Fundamentals of Computer Programming with C#****Oracle Solaris 11 System Administration****Special Ops: Host and Network Security for Microsoft Unix and Oracle****Oracle 11g Anti-Hacker's Cookbook****Oracle Solaris 11 System Administration The Complete Reference**

Learn virtualization skills by building your own virtual machine *Virtualization Essentials, Second Edition* provides new and aspiring IT professionals with immersive training in working with virtualization environments. Clear, straightforward discussion simplifies complex concepts, and the hands-on tutorial approach helps you quickly get up to speed on the fundamentals. You'll begin by learning what virtualization is and how it works within the computing environment, then you'll dive right into building your own virtual machine. You'll learn how to set up the CPU, memory, storage, networking, and more as you master the skills that put you in-demand on the job market. Each chapter focuses on a specific goal, and concludes with review questions that test your understanding as well as suggested exercises that help you reinforce what you've learned. As more and more companies are leveraging virtualization, it's imperative that IT professionals have the skills and knowledge to interface with virtualization-centric infrastructures. This book takes a learning-by-doing approach to give you hands-on training and a core understanding of virtualization. Understand how virtualization works Create a virtual machine by scratch and migration Configure and manage basic components and supporting devices Develop the necessary skill set to work in today's virtual world Virtualization was initially used to build test labs, but its use has expanded to become best practice for a tremendous variety of IT solutions including high availability, business continuity, dynamic IT, and more. Cloud computing and DevOps rely on virtualization technologies, and the exponential spread of these and similar applications make virtualization proficiency a major value-add for any IT professional. *Virtualization Essentials, Second Edition* provides accessible, user-friendly, informative virtualization training for the forward-looking pro.

Including detailed illustrations and screen shots, this is the ultimate study guide to prepare system administrators for Solaris 8 certification and the only book endorsed by Sun Educational Services. It can also be used as a day-to-day quick reference for Solaris 8.

Following her widely acclaimed *Autobiography of Red* ("A spellbinding achievement" --Susan Sontag), a new collection of poetry and prose that displays Anne Carson's signature mixture of opposites--the classic and the modern, cinema and print, narrative and verse. In *Men in the Off Hours*, Carson reinvents figures as diverse as Oedipus, Emily Dickinson, and Audubon. She views the writings of Sappho, St. Augustine, and Catullus through a modern lens. She sets up startling juxtapositions (Lazarus among video paraphernalia; Virginia Woolf and Thucydides discussing war). And in a final prose poem, she meditates on the recent death of her mother. With its quiet, acute spirituality, its fearless wit and sensuality, and its joyful understanding that "the fact of the matter for humans is imperfection," *Men in the Off Hours* shows us "the most exciting poet writing in English today" (Michael Ondaatje) at her best. From the Hardcover edition.

A guide to the installation and configuration of Oracle9i RAC covers such topics as the design of RAC clusters, configuration of TAF, and monitoring and tuning RAC applications.

**Oracle Solaris 11 System Virtualization Essentials****Designing Enterprise Applications with the J2EE Platform****The Antivirus Hacker's Handbook****Deployment Guide for InfoSphere Guardium****Securing Solaris, Mac OS X, Linux & Free BSD****Solaris 10 Security Essentials Pearson Education**

A Complete Study System for OCA Exam 1Z0-821 Prepare for the Oracle Certified Associate Oracle Solaris 11 System Administration exam with help from this exclusive Oracle Press guide. In each chapter, you'll find challenging practice questions, a two-minute drill, and a chapter summary to highlight what you've learned. This authoritative resource will help you pass the test and will serve as your essential on-the-job reference. Get complete coverage of all OCA objectives for exam 1Z0-821, including: Installing Oracle Solaris 11 Managing boot environments Understanding ZFS and other Oracle Solaris file systems Securing systems and files Managing users, groups, and processes Administering the Services Management Facility (SMF) Configuring additional storage Adding and updating Oracle Solaris software Monitoring the system with logging Administering process and kernel crash data Managing network resources Administering Oracle Solaris Zones Electronic content includes: Two practice exams with detailed answers and explanations

Virtualization and related technologies like hypervisors, which create virtual machines on a single hardware machine, and containers (also known as zones), which create virtual operating systems running on a single operating system, are a totally new area for many system administrators. Oracle® Solaris™ 10 System Virtualization Essentials provides an accessible introduction to computer virtualization, specifically the system virtualization technologies that use the Oracle Solaris or OpenSolaris operating systems. This accessible guide covers the key concepts system administrators need to understand and explains how to Use Dynamic Domains to maximize workload isolation on Sun SPARC systems Use Oracle VM Server for SPARC to deploy different Oracle Solaris 10 and OpenSolaris environments on SPARC CMT (chip multithreading) systems Use Oracle VM Server for x86 or xVM hypervisor to deploy a server with heterogeneous operating systems Use Oracle VM VirtualBox to develop and test software in heterogeneous environments Use Oracle Solaris Containers to maximize efficiency and scalability of workloads Use Oracle Solaris Containers to migrate Solaris 8 and Solaris 9 workloads to new hardware systems Mix virtualization technologies to maximize workload density Starting with a discussion of system virtualization in general terms—the needs of consolidation, the benefits of virtualization, and a description of the most common types of computer virtualization—this book also covers many of the concepts, features, and methods shared by many implementations of system virtualization. Oracle's computer virtualization technologies that are directly related to the Oracle Solaris OS are described in detail along with a discussion of the factors that should be considered when choosing a virtualization technology. Finally, several examples of these technologies and an overview of virtualization management software are provided, as well as a history of virtualization.

Take Full Advantage of the Oracle Solaris 11 Management Features Manage a highly scalable, cloud-based computing platform and deliver unmatched performance levels at every layer of your IT stack. Oracle Solaris 11 System Administration: The Complete Reference shows how to deploy Solaris from scratch. Get up-to-date details on installation options, device configuration, virtualization techniques, network security, file encryption, and Web services. NFS, Samba, and Apache are fully covered in this Oracle Press guide. Install Oracle Solaris 11 on x86 and SPARC machines Manage storage using the ZFS file system Define user roles and enforce strong access policies Create fully isolated zones and virtual system environments Configure print, e-mail, DNS, and DHCP services Share files and devices using NFS and Samba Set up Apache Web servers and deploy AMP applications

Oracle 10g Grid and Real Application Clusters

Essential System Administration

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Oracle Solaris 10 System Virtualization Essentials

Security Testing, Penetration Testing, and Ethical Hacking

**Hack your antivirus software to stamp out future vulnerabilities** *The Antivirus Hacker's Handbook* guides you through the process of reverse engineering antivirus software. You explore how to detect and exploit vulnerabilities that can be leveraged to improve future software design, protect your network, and anticipate attacks that may sneak through your antivirus' line of defense. You'll begin building your knowledge by diving into the reverse engineering process, which details how to start from a finished antivirus software program and work your way back through its development using the functions and other key elements of the software. Next, you leverage your new knowledge about software development to evade, attack, and exploit antivirus software—all of which can help you strengthen your network and protect your data. While not all viruses are damaging, understanding how to better protect your computer against them can help you maintain the integrity of your network. Discover how to reverse engineer your antivirus software Explore methods of antivirus software evasion Consider different ways to attack and exploit antivirus software Understand the current state of the antivirus software market, and get recommendations for users and vendors who are leveraging this software *The Antivirus Hacker's Handbook* is the essential reference for software reverse engineers, penetration testers, security researchers, exploit writers, antivirus vendors, and software engineers who want to understand how to leverage current antivirus software to improve future applications.

**IBM® InfoSphere® Guardium®** provides the simplest, most robust solution for data security and data privacy by assuring the integrity of trusted information in your data center. InfoSphere Guardium helps you reduce support costs by automating the entire compliance auditing process across heterogeneous environments. InfoSphere Guardium offers a flexible and scalable solution to support varying customer architecture requirements. This IBM Redbooks® publication provides a guide for deploying the Guardium solutions. This book also provides a roadmap process for implementing an InfoSphere Guardium solution that is based on years of experience and best practices that were collected from various Guardium experts. We describe planning, installation, configuration, monitoring, and administrating an InfoSphere Guardium environment. We also describe use cases and how InfoSphere Guardium integrates with other IBM products. The guidance can help you successfully deploy and manage an IBM InfoSphere Guardium system. This book is intended for the system administrators and support staff who are responsible for deploying or supporting an InfoSphere Guardium environment.

Commerce Business Daily

Linux Essentials

Oracle10g Grid Computing with RAC

Oracle Solaris 11

The Bulgarian C# Book