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Expert Consolidation in Oracle Database 12c Oracle Solaris 10 System Virtualization Essentials Oracle Exalogic Elastic Cloud Handbook Experiences with Oracle 11gR2 on Linux on System z OCA Oracle Solaris 11 System Administration Exam Guide (Exam 1Z0-821) Oracle on Linux ONE Solaris Internals Solaris Performance And Tools: DTrace And Mdb Techniques For Solaris 10 And OpenSolaris Oracle Solaris 11.2 System Administration Handbook (Oracle Press) Oracle Solaris 11 Oracle Solaris 11 System Virtualization Essentials Expert Oracle Exadata Solaris 10: The Complete Reference The HP-UX System Administration Handbook and Toolkit Software Engineering for Resilient Systems Solaris 10 System Administration Solaris Internals Expert Oracle Database Architecture Solaris to Linux Migration: A Guide for System Administrators Solaris 10 ZFS Essentials Configuring and Tuning Databases on the Solaris Platform Oracle Solaris 11 System Administration Exam Self-Practice Review Questions for Exam 1Z0-821 Oracle Solaris 11 System Virtualization Essentials Oracle Solaris Cluster Essentials OpenSolaris Bible Oracle Solaris 11 System Administration The Complete Reference Linux and Solaris Recipes for Oracle DBAs Oracle Solaris and Veritas Cluster: An Easy-build Guide Oracle Solaris 11 Secure Shell in the Enterprise Oracle Information Integration, Migration, and Consolidation Oracle Solaris 11 System Administration Virtualization For Dummies Solaris 10 The Complete Reference Systems Performance A Quarter Century of UNIX Oracle Solaris 10 System Virtualization Essentials Oracle Solaris 11 System Administration The Complete Reference Oracle Solaris 11 Advanced Administration Cookbook DTrace

[Expert Consolidation in Oracle Database 12c](#)

Covers key performance issues related to using leading databases on Sun servers for system administrators and database programmers. This book brings together best-practice guidelines for every aspect of database tuning on Sun servers.

[Oracle Solaris 10 System Virtualization Essentials](#)

Oracle Database 12c running on Linux is available for deployment on IBM® LinuxONE. The enterprise-grade Linux on LinuxONE solution is designed to add value to Oracle Database solutions, including the new functions that are introduced in Oracle Database 12c. In this IBM Redbooks® publication, we explore the IBM and Oracle Alliance and describe how Oracle Database benefits from LinuxONE. We then explain how to set up Linux guests to install Oracle Database 12c. We also describe how to use the Oracle Enterprise Manager Cloud Control Agent to manage Oracle Database 12c Release 1. Additionally, we discuss encryption for Oracle using Oracle Transparent Data Encryption (TDE) on Oracle 12c Release 2. We also describe a successful consolidation project from sizing to migration, performance management topics, and high availability. Finally, we end with a chapter about surrounding Oracle with Open Source software. The audience for this publication includes database consultants, installers, administrators, and system programmers. This publication is not meant to replace Oracle documentation, but to supplement it with our experiences while installing and using Oracle products.

[Oracle Exalogic Elastic Cloud Handbook](#)

Expert Oracle Exadata, 2nd Edition opens up the internals of Oracle's Exadata platform so that you can fully benefit from the most performant and scalable database hardware appliance capable of running Oracle Database. This edition is fully-updated to cover Exadata 5-2 and Oracle Database 12c. If you're new to Exadata, you'll soon learn that it embodies a change in how you think about and manage relational databases. A key part of that change lies in the concept of offloading SQL processing to the storage layer. In addition there is Oracle's engineering effort in creating a powerful platform for both consolidation and transaction processing. The resulting value proposition in the form of Exadata has truly been a game-changer. Expert Oracle Exadata, 2nd Edition provides a look at the internals and how the combination of hardware and software that comprise Exadata actually work. Authors include Martin Bach, Andy Colvin, and Frits Hoogland, with contributions from Karl Arao, and built on the foundation laid by Kerry Osborne, Randy Johnson, and Tanel Poder in the first edition. They share their real-world experience gained through a great many Exadata implementations, possibly more than any other group of experts today. Always their goal is toward helping you advance your career through success with Exadata in your own environment. This book is intended for readers who want to understand what makes the platform tick and for whom—"how" it does what it does is as important as what it does. By being exposed to the features that are unique to Exadata, you will gain an understanding of the mechanics that will allow you to fully benefit from the advantages that the platform provides. This book changes how you think about managing SQL performance and processing. It provides a roadmap to successful Exadata implementation. And it removes the "black box" mystique. You'll learn how Exadata actually works and be better able to manage your Exadata engineered systems in support of your business. This book: Changes the way you think about managing SQL performance and processing Provides a roadmap to successful Exadata implementation Removes the "black box" mystique, showing how Exadata actually works

[Experiences with Oracle 11gR2 on Linux on System z](#)

This Oracle Press guide offers complete coverage of Oracle Solaris 11.2 installation, configuration, management, security, and tuning. This handbook includes cutting-edge information on Oracle Solaris 11.2, providing you the essential skills needed to successfully set up, deploy, and maintain a Solaris system. Every aspect of Solaris system administration is explained in full detail, including configuration, networking, performance, security, virtualization, and cloud computing. Oracle Solaris 11 System Administration Handbook features up-to-date details on new technologies such as OpenStack cloud support, Unified Archives provisioning, Kernel Zone virtualization, and software defined networking. You will learn the keys to optimizing Oracle Solaris 11.2 instances with the hands-on technical instruction and shared best practices contained in this authoritative volume from Oracle Press. Real-world case studies provide detailed scenarios and ready-to-deploy solutions. Tips and best practices for administration are included throughout. Covers brand-new configuration tools and techniques.

[OCA Oracle Solaris 11 System Administration Exam Guide \(Exam 1Z0-821\)](#)

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.

[Oracle on LinuxONE](#)

Read Free Oracle Solaris 11 2 System Administration Handbook Oracle Press

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 IZO-821 exam topic in detail and also covers many IZO-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) includes new IZO-821 and IZO-822 study strategies and self-assessment exams.

[Solaris Internals](#)

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.

[Solaris' Performance And Tools: Dtrace And Mdb Techniques For Solaris 10 And Opensolaris](#)

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 Solaris 11.2 System Administration Handbook \(Oracle Press\)](#)

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 Solaris 11](#)

Here are great ideas and tools for smarter, more effective HP-UX system administration. The book is a thorough guide for system administrators—from the basics of system set-up to the most advanced tips n' tricks for maximizing performance and troubleshooting. The two CD-ROMs contain an unprecedented collection of trial software for HP-UX administration, development, and interoperability with NT systems.

[Oracle Solaris 11 System Virtualization Essentials](#)

?????Solaris 10?OpenSolaris????????????????????,??UFS????

[Expert Oracle Exadata](#)

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.

[Solaris 10: The Complete Reference](#)

Linux on System z offers many advantages to customers who rely on the IBM® mainframe systems to run their businesses. Linux on System z makes use of the qualities of service in the System z® hardware and in z/VM®, making it a robust industrial strength Linux. This provides an excellent platform for hosting Oracle solutions that run in your enterprise. This IBM Redbooks® publication is divided into several sections to share the following experiences that are gained while Oracle Database 11gR2 is installed and tested: Setting up Red Hat Enterprise Linux 6 for Oracle. Managing an Oracle on Linux on System z environment. Provisioning Linux guests using several tools. It also includes many general hints and tips for running Oracle products on IBM System z with Linux and z/VM. Interested readers include database consultants, installers, administrators, and system programmers. This book is not meant to replace Oracle documentation but to supplement it with our experiences while Oracle products are installed and used.

[The HP-UX System Administration Handbook and Toolkit](#)

Now in its third edition, this best-selling book continues to bring you some of the best thinking on how to apply Oracle Database to produce scalable

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applications that perform well and deliver correct results. Tom Kyte and Darl Kuhn share a simple philosophy: "you can treat Oracle as a black box and just stick data into it, or you can understand how it works and exploit it as a powerful computing environment." If you choose the latter, then you'll find that there are few information management problems that you cannot solve quickly and elegantly. This fully revised third edition covers the developments up to Oracle Database 12c. Significant new content is included surrounding Oracle's new cloud feature set, and especially the use of pluggable databases. Each feature is taught in a proof-by-example manner, not only discussing what it is, but also how it works, how to implement software using it, and the common pitfalls associated with it. Don't treat Oracle Database as a black-box. Get this book. Get under the hood. Turbo-charge your career. Revised to cover Oracle Database 12c Proof-by-example approach: Let the evidence be your guide Dives deeply into Oracle Database's most powerful features

[Software Engineering for Resilient Systems](#)

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

[Solaris 10 System Administration](#)

Prepare with the best-selling study guide for Solaris on the market, now updated for Solaris 10.

[Solaris Internals](#)

"The Solaris™ Internals volumes are simply the best and most comprehensive treatment of the Solaris (and OpenSolaris) Operating Environment. Any person using Solaris—in any capacity—would be remiss not to include these two new volumes in their personal library. With advanced observability tools in Solaris (like DTrace), you will more often find yourself in what was previously uncharted territory. Solaris™ Internals, Second Edition, provides us a fantastic means to be able to quickly understand these systems and further explore the Solaris architecture—especially when coupled with OpenSolaris source availability." --Jarod Jenson, chief systems architect, Aeyasis "The Solaris™ Internals volumes by Jim Mauro and Richard McDougall must be on your bookshelf if you are interested in in-depth knowledge of Solaris operating system internals and architecture. As a senior UNIX engineer for many years, I found the first edition of Solaris™ Internals the only fully comprehensive source for kernel developers, systems programmers, and systems administrators. The new second edition, with the companion performance and debugging book, is an indispensable reference set, containing many useful and practical explanations of Solaris and its underlying subsystems, including tools and methods for observing and analyzing any system running Solaris 10 or OpenSolaris." --Mare Strahl, senior UNIX engineer Solaris™ Internals, Second Edition, describes the algorithms and data structures of all the major subsystems in the Solaris 10 and OpenSolaris kernels. The text has been extensively revised since the first edition, with more than 600 pages of new material. Integrated Solaris tools and utilities, including DTrace, MDB, kstat, and the process tools, are used throughout to illustrate how the reader can observe the Solaris kernel in action. The companion volume, Solaris™ Performance and Tools, extends the examples contained here, and expands the scope to performance and behavior analysis. Coverage includes: Virtual and physical memory Processes, threads, and scheduling File system framework and UFS implementation Networking: TCP/IP implementation Resource management facilities and zones The Solaris™ Internals volumes make a superb reference for anyone using Solaris 10 and OpenSolaris.

[Expert Oracle Database Architecture](#)

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 (tm) 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 (tm) 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.

[Solaris to Linux Migration: A Guide for System Administrators](#)

The goal of this IBM Redbooks publication is to provide a technical reference for IT systems administrators in organizations that are considering a migration from Solaris to Linux-based systems. We present a systems administrator view of the technical differences and methods necessary to complete a successful migration to Linux-based systems, including coverage of how those differences translate to two major Linux distributions: Red Hat Enterprise Linux and SUSE Linux Enterprise Server. The book is designed primarily to be a reference work for the experienced Solaris 8 or 9 system administrator who will need to begin working with Linux. It should serve as a guide for system administrators that need a concise technical reference for facilitating the transition to Linux. The book also provides details about how to leverage the additional industry-leading technologies in IBM eServer xSeries servers, IBM POWER technology-based systems (iSeries/pSeries), and IBM eServer zSeries systems that make them very powerful and flexible platforms for hosting Linux-based solutions.

[Solaris 10 ZFS Essentials](#)

Achieve Extreme Application Performance for a Private Cloud with Oracle Exalogic Elastic Cloud Transition to a private cloud computing infrastructure and achieve unmatched levels of performance with help from this Oracle Press guide. Oracle Exalogic Elastic Cloud Handbook shows you how to plan, implement, and maintain a private cloud. Find out how to set up components, deploy Java applications, maximize redundancy and throughput, and migrate legacy workloads. Examples, screenshots, and diagrams are included throughout this comprehensive resource. Configure Oracle Exalogic Elastic Cloud nodes and racks Optimize Java EE application performance on Oracle WebLogic Server Provision and administer a highly scalable private cloud Build, debug, and manage custom Java applications Secure, monitor, and tune using Oracle Enterprise Manager Leverage capabilities from Oracle Fusion Middleware Consolidate Oracle and third-party application workloads

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[Configuring and Tuning Databases on the Solaris Platform](#)

[Oracle Solaris 11 System Administration Exam Self-Practice Review Questions for Exam 1Z0-821](#)

"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.

[Oracle Solaris 11 System Virtualization Essentials](#)

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.

[Oracle Solaris Cluster Essentials](#)

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.

[OpenSolaris Bible](#)

Get full details on installation, process and device management, access control and security, networking, services, directories, and applications. 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.

[Oracle Solaris 11 System Administration The Complete Reference](#)

This book constitutes the refereed proceedings of the Third International Workshop on Software Engineering for Resilient Systems, SERENE 2011, held in Geneva, Switzerland, in September 2011. The 13 revised full papers presented together with 2 invited talks were carefully reviewed and selected from numerous submissions. The papers address all aspects of formal modeling and verification, architecting resilient systems, fault tolerance, requirements engineering and product lines, monitoring and self-adaptation, and security and intrusion avoidance.

[Linux and Solaris Recipes for Oracle DBAs](#)

[Oracle Solaris and Veritas Cluster : An Easy-build Guide](#)

Learn the fundamental concepts of OS clustering, Oracle Solaris clustering high-level design, Oracle Solaris clustering implementation using VirtualBox, and Veritas clustering implementation using VirtualBox. Oracle Solaris and Veritas Cluster: An Easy-build Guide shows you how to implement a cluster on your desktop or laptop devices using virtualized network, host, and storage configuration. This book explains both the architecture design and technical implementation for building Solaris Oracle- or Veritas-based clustered environments. This book provides snapshot-based steps to set up Solaris virtual hosts under VirtualBox and implement Veritas clustering across two virtual hosts that can be implemented on a desktop or laptop. This book will help you understand what it's like setting up a clustered environment, in simple steps that can be followed by users having little knowledge of clustering. What You Will Learn: Practice cluster implementation on your local PC or laptop Implement both Oracle/Solaris and Veritas clusters under Oracle Solaris 10 OS Master cluster fundamentals, concepts, and design Create virtualized environments under VirtualBox Learn the prerequisites and configuration for host builds, networking, and storage setup using VirtualBox for Solaris Oracle and Veritas Who This Book Is For: IT support engineers, education institutions and students.

[Oracle Solaris 11](#)

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

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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.

[Secure Shell in the Enterprise](#)

After a beginning overview of the history of OpenSolaris, its open-source licensing, and the community development model, this book then goes on to highlight the aspects of OpenSolaris that differ from more familiar operating systems. You'll learn how to become a power user of OpenSolaris by maximizing the abilities of advanced features like DTrace, the fault management architecture, ZFS, the service management facility, and Zones. Authors provide insider tips, unique tricks, and practical examples to help you stay sharp with the latest features of OpenSolaris.

[Oracle Information Integration, Migration, and Consolidation](#)

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.

[Oracle Solaris 11 System Administration](#)

1Z0-821 is an entry level Solaris admin exam. The topics covered include: Installing Oracle Solaris 11 using an Interactive Installer Updating and Managing Software Packages Administering Services Setting Up and Administering Data Storage Administering Oracle Solaris Zones Administering a Physical Network Setting Up and Administering User Accounts Controlling Access to Systems and Files Managing System Processes and Scheduling System Tasks We create these self-practice test questions referencing the concepts and principles currently valid in the exam. Each question comes with an answer and a short explanation which aids you in seeking further study information. For purpose of exam readiness drilling, this product includes questions that have varying numbers of choices. Some have 2 while some have 5 or 6. We want to make sure these questions are tough enough to really test your readiness and draw your focus to the weak areas. Think of these as challenges presented to you so to assess your comprehension of the subject matters. The goal is to reinforce learning, to validate successful transference of knowledge and to identify areas of weakness that require remediation. The questions are NOT designed to "simulate" actual exam questions. "realistic" or actual questions that are for cheating purpose are not available in any of our products.

[Virtualization For Dummies](#)

Virtualization has become a "megatrend"—and for good reason. Implementing virtualization allows for more efficient utilization of network server capacity, simpler storage administration, reduced energy costs, and better use of corporate capital. In other words: virtualization helps you save money, energy, and space. Not bad, huh? If you're thinking about "going virtual" but have the feeling everyone else in the world understands exactly what that means while you're still virtually in the dark, take heart. Virtualization for Dummies gives you a thorough introduction to this hot topic and helps you evaluate if making the switch to a virtual environment is right for you. This fun and friendly guide starts with a detailed overview of exactly what virtualization is and exactly how it works, and then takes you on a tour of the benefits of a virtualized environment, such as added space in overcrowded data centers, lower operations costs through more efficient infrastructure administration, and reduced energy costs through server consolidation. Next, you'll get step-by-step guidance on how to: Perform a server virtualization cost versus benefit analysis Weigh server virtualization options Choose hardware for your server virtualization project Create a virtualized software environment Migrate to—and manage—your new virtualized environment Whether you're an IT manager looking to sell the idea to your boss, or just want to learn more about how to create, migrate to, and successfully manage a virtualized environment, Virtualization for Dummies is your go-to guide for virtually everything you need to know.

[Solaris 10 The Complete Reference](#)

bull; bull; Covers the new Solaris Secure Shell for all versions of Solaris bull; Shows how to secure remote logins, integrate Secure Shell into existing scripts and avoid common problems bull; Written by Jason Reid, a member of the Solaris System Test group at Sun Microsystems, Inc.

[Systems Performance](#)

Expert Consolidation in Oracle Database 12c is your key to reducing data management costs and increasing data center efficiency. Consolidation and cloud computing are converging trends sweeping the industry. The same technologies enabling cloud computing enable consolidation as well, leading to savings on all fronts from the amount of power used for servers to the amount of floor space consumed to the number of administrators needed to manage an installation. Yet the consolidation process can be a long and winding road. Success requires planning, and consideration to the impacts on supporting infrastructure. Expert Consolidation in Oracle Database 12c guides you through planning and implementing a consolidated Oracle Database installation using the many new features built into the latest release of Oracle's database management system. You'll learn to identify candidates for consolidation and to recognize instances that are best left stand-alone. The book guides in working with clustered systems and ASM storage in the consolidated environment. Focus is given to Oracle Enterprise Manager 12c Cloud Control as a monitoring and management dashboard. Always the goal is to drive towards a cost-effective environment that is efficient both in technology and people. Focuses on the new consolidation features in Oracle Database 12c Helps you evaluate and correctly decide when to consolidate Leads to cost savings and improved data center efficiency What you'll learn Master the new consolidation and cloud features in Oracle Database 12c Correctly decide when to consolidate and when to remain standalone Reduce cost by reducing demand for rack space, power, and floor space Streamline administration with Oracle Enterprise Manager 12c Cloud Control Ensure the correct supporting infrastructure for a rock-solid environment Safeguard your new consolidate infrastructure from disaster and data loss Who this book is for Expert Consolidation in Oracle Database 12c is aimed at database administrators involved in consolidation efforts, or who are interested in exploring Oracle Database 12c's strong support for consolidation and cloud computing. Table of Contents 1. Consolidation as an Industry Trend 2. Oracle 12c New Features 3. Supporting Hardware 4. Supporting Software 5. Installing Oracle Linux 6. Installing Oracle Database 7. Pluggable Databases 8. Monitoring the Hosting Platform 9. Learning About Data Guard 10. Implementing Data Guard 11. Backup and Recovery 12. Upgrading to Oracle 12c

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Based on interviews with the key software engineers who invented and built the powerful UNIX operating system, this book provides unique insight into the operating system that dominates the modern computing environment. Originating from a small project in a backroom at AT & T Bell Labs, UNIX has grown to be a dominant operating system in the commercial computing world -the operating system responsible for the development of the C programming language and the modern networked environment. Peter Salus is a longtime and well-recognized promoter and spokesman for UNIX and the UNIX community.

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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.

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Linux and Solaris Recipes for Oracle DBAs, 2nd Edition is an example-based book on managing Oracle Database under Linux and Solaris. The book is written for database administrators who need to get work done and lack the luxury of curling up fireside with a stack of operating-system documentation. What this book provides instead is task-oriented coverage designed around the needs of the Oracle Database Administrator. Find the right chapter. Look up the task to perform. See the solution. Implement the solution straight away in your own environment. Get the job done. New in this edition is coverage of Oracle's own Solaris operating system. Oracle Corporation has been working diligently to bring commonality between Solaris and Linux, and this book takes advantage of those efforts to provide task-oriented solutions that work on common distributions of Linux such as Red Hat Enterprise Linux and Oracle Enterprise Linux while also accommodating the growing number of Oracle Solaris customers. Examples in the book match the tasks DBAs perform daily, even hourly. Solutions come first in the book, but always are followed by close explanations of the details. Database administrators won't go wrong with Linux and Solaris Recipes for Oracle DBAs. It's the book to buy if you're after clear and reliable examples to help in getting the job done, and getting home to your family. Takes you directly from problem to solution Covers the "right" mix of operating-system tasks for database administrators Respects your time by being succinct and to-the-point Includes coverage of Solaris in addition to common Linux distributions What You Will Learn Execute Linux and Solaris commands applicable to Oracle Database. Automate critical DBA tasks via operating-system shell scripts. Monitor, tune, and optimize Linux and Solaris servers for Oracle. Setup a VirtualBox environment for the Oracle database. Perform system administration tasks relevant to Oracle Database. Remotely (and securely!) manage Oracle on Linux and Solaris. Who This Book Is For Linux and Solaris Recipes for Oracle DBAs is a book for Oracle database administrators who want to expertly operate Oracle databases on the Linux and Solaris operating systems. If you're new to Linux and Solaris and can benefit from detailed examples showing how to perform tasks that Oracle DBAs perform on Linux and Solaris servers, then this book is what you need to help you get the job done, and get home on time.

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