Sun Fire T2000 Server Service Manual

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InfoWorld Manning
"The main objective of this book is to assist managers in becoming aware and more knowledgeable on the economics of downtime and continuous computing technologies that help in achieving business continuity and managing efficiently information resources"--Provided by publisher.

Five-Layer Intelligence of the Machine Brain Pearson Education India

Sun Web Server: The Essential Guide William Nelson • Arvind Srinivasan • Murthy Chintalapati (CVR) Foreword by Scott G. McNealy The authoritative, comprehensive guide to Sun Web Server 7.0 Sun Web Server is the secure web serving platform of choice for large-scale enterprises in industries from finance and telecommunications to travel and government. Now there's a complete, detailed guide to the latest Sun Web Server 7.0 release. Drawing on unsurpassed experience both training and supporting Sun's enterprise customers, this book's authors cover everything that developers, administrators, and architects need to know to implement and support Sun Web Server 7.0 within a single node or across an entire server farm. Server administrators will find task-focused coverage and hands-on examples for installation, configuration, cluster management, monitoring, and troubleshooting. Developers and architects will gain powerful insights into Sun Web Server's internals and learn how to extend its built-in functionality. Enterprise deployment specialists will find indispensable information on sizing and tuning, plus reference configurations to deploy advanced Web 2.0–style dynamic web sites. Whatever your role, this book will help you hit the ground running and get superior results for years to come. Coverage includes • Taking advantage of Sun Web Server 7.0's powerful new features • Walking through initial installations and upgrades • Customizing Sun Web Server's HTTP request processing to your specific requirements • Building dynamic content with scripting languages and server-side Java-based extensions • Creating secure dynamic Web 2.0 sites with your dynamic content and database technologies of choice • Monitoring server instances in live production environments and optimizing performance • Resolving server errors and other anomalies in Web Server runtime behavior • Using actual server configuration files from Sun's own large-scale technology deployments • Using the detailed reference information on Sun Web Server's main server configuration file About the Web Site This book's companion web site, www.sunwebserver.com, contains FAQs, errata, answers to self-paced exercises, and links to download locations and product forums.

Oracle Solaris 10 System Virtualization Essentials Elsevier

The IT sector is full of hype. But once in a while there is a genuine inflection point, a moment at which the way of doing things fundamentally changes due to the introduction of new technologies. The rise of cloud computing is just such an inflection point. Cloud computing is the next stage of the Internet computing model, one in which organizations will consume services, not technologies. These services will be ready to run, available outside the office walls, and be paid for on the basis of usage, just like water or electricity. As the cloud and services model matures, not only will businesses be able to solve old problems more inexpensively and rapidly, they will also be able to address new challenges that were previously out of reach. Cloud computing promises a more flexible "services" model for IT systems that puts the business unit or end user at the center of the process. In this way, both the IT organization and the business itself become more agile. At the same time, cloud computing promises to reduce the delivered cost of IT through a greater degree of resource utilization, automation, and self service. This will not happen overnight. It will not be next year, nor even within a year or two. But as time passes, more and more companies will find themselves in a position to be able to source services wherever they like: inside the organization or from any provider, whether it be Google, IBM, HP, EMC, Cisco, Microsoft, Amazon, T-Systems or any other cloud computing vendor. This book is a comprehensive introduction to cloud computing and its most prominent enabling technology: virtualization. In the first part, you are guided through the visions, concept and models behind cloud computing. You will learn how your organization can profit from cloud-enabling technologies and how you can incorporate them in your IT infrastructure. Part II of this book consists of "Industry Outlooks": in depth articles from industry experts. Part III offers a series of useful case stories, covering a broad diversity of virtualization and cloud-related issues. Further to the development of this book, the development team that is responsible for the content of this book, has developed a certification program on Cloud computing, the Cloud Certification Program. This vendor-neutral Cloud Certification Program provides professionals with the opportunity to obtain globally recognized credentials in cloud computing. The CompTIA Cloud Essentials course Exam is intended for IT professionals who wish to certify that they have the required knowledge and understanding required to complete and pass the CompTIA Cloud Essentials™ Exam on cloud computing. Anyone who passes this exam to obtains the CompTIA Cloud Essentials™ Professional certificate.

F & S Index United States Annual Van Haren

"This is a Ph.D. thesis. Until the early seventies of the last century, pedestrian traffic has hardly been subject of research. About that time, researchers started studying pedestrian behavior more intensively, first by watching and deriving (simple) theories and models from what they observed techniques became available, computers became faster and could handle larger and more complicated models, the number of available pedestrian models as well as their application scope and accuracy increased significantly. Contents include: Introduction, User requirements of a pedestrian flow simulation tool, State-of-the-art pedestrian flow theory, Laboratory experiments on pedestrian walking behavior, Identification of processes and elements in a pedestrian flow model, models for pedestrian behavior in public transport facilities, Implementation of a pedestrian flow simulation model, Verification and validation of SimPed, Case studies with SimPed, Conclusions, Bibliography: SimPed input and output, Set up and test of the laboratory experiments, Dynamic quality of the route choice model, Comparison of SimPed walking model with traffic flow theory and shock-wave theory, Data collection for validation of SimPed."

InfoWorld John Wiley & Sons

This manual describes version 2.x

OpenBoot firmware that is part of the boot PROM in Sun systems. Written for users who want to use the OpenBoot firmware to configure and debug their systems, this manual contains information on how to use the OpenBoot firmware to perform tasks such as booting the operating system, running diagnostics, modifying system start-up configuration parameters, loading and executing programs, and troubleshooting. It also describes the commands of the OpenBoot Forth interpreter. Topics include an overview of the user interface; booting and testing your OpenBoot firmware system; setting NVRAM configuration parameters; loading and executing programs from various sources; and debugging with the disassembler, the Forth source-level debugger, and setting breakpoints. Appendices include setting up a TIP connection using serial ports, building a bootable floppy disk, a list of unsupported commands from earlier OpenBoot systems with workarounds, troubleshooting information, and a Forth word reference.

Sun Microsystems Hardware Packt Publishing Ltd

A jargon-free, practical guide to the key concepts, terminology, and technologies of cybersecurity perfect for anyone planning or implementing a security strategy. Go behind the headlines of famous attacks and learn lessons from real-world breaches that author Tom Kranz has personally helped to clean up. Making Sense of Cyber Security is a no-nonsense overview of common cyber threats. Written for readers at all skill levels, this easy-to-read guide breaks down the core ideas and terminology of cybersecurity so that you can effectively contribute to the planning and implementation of a security strategy. You'll learn the three pillars of a successful security strategy and how to create and apply threat models that will iteratively improve your organization's readiness. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

Three-Dimensional Integrated Circuit Design John Wiley & Sons

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

Solaris Internals Delft University Press

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.

Oracle Solaris 11 System Administration Pearson Education

100 simple and incredibly effective recipes for harnessing the power of the OpenVPN 2 network.

Interconnection Networks World Scientific

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

HWM Profile Books

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Ubuntu Linux Bible Pearson Education

Please note that the content of this book primarily consists of articles available from Wikipedia or other free sources online. Pages: 52. Chapters: Sun microprocessors, Sun servers, Sun workstations, SPARC, Visual Instruction Set, Rock, UltraSPARC T1, Sun Fire, Ultra 80, Sun Ray, SPARC Enterprise, Afara Websystems, UltraSPARC T2, MAJC, SPARC T3, UltraSPARC III, SPARCstation, Sun-1, Sun Fire X4500, Sun-2, Sun Ultra series, Sun-4, Sun Modular Datacenter, Sun Enterprise, Cobalt RaQ, Sun386i, Sun4d, UltraSPARC IV, SPARCstation 10, Supernova, SPARCstation 20, Sun SPOT, Sun-3, SPARCstation 5, SBus, Cray CS6400, SuperSPARC, MicroSPARC, JavaStation, SPARCstation IPX, MBus, Cobalt Qube, System Service Processor, Sun Visualization System, SPARCclassic, Sun Constellation System, Ultra 1, SPARCstation LX, Sun Fire E25K, OpenSPARC, Cobalt RaQ4, LOM port, Sun Fire T2000, SPARCstation IPC, Sun Fire 15K, Sun Java Workstation, Ultra 5/10, Sun Blade, MB86900, Cobalt RaQ 2, Sun Netra, ZFS+, SunPCi, Ultra 24, Sun Neptune, Sun StorageTek 5800 System, Sun StorageTek SL8500, SPARCstation ZX, Ultra Port Architecture, Fireplane. Excerpt: SPARC (from Scalable Processor Architecture) is a RISC instruction set architecture (ISA) developed by Sun Microsystems and introduced in mid-1987. SPARC is a registered trademark of SPARC International, Inc., an organization established in 1989 to promote the SPARC architecture, manage SPARC trademarks, and provide conformance testing. Implementations of the original 32-bit SPARC architecture were initially designed and used in Sun's Sun-4 workstation and server systems, replacing their earlier Sun-3 systems based on the Motorola 68000 family of processors. Later, SPARC processors were used in SMP servers produced by Sun Microsystems, Solbourne and Fujitsu, among others, and designed for 64-bit operation. SPARC International was intended to open the SPARC architecture to make a larger ecosystem for the design, which has been licensed to several...

System Design for Telecommunication Gateways Springer Science & Business Media

This book intends to report the new results of the efforts on the study of Layered Intelligence of the Machine Brain (LIMB). The book collects novel research ideas in LIMB and summarizes the current machine intelligence level as “ five layer intelligence ” - environments sensing, active learning, cognitive computing, intelligent decision making and automatized execution. The book is likely to be of interest to university researchers, R&D engineers and graduate students in computer science and electronics who wish to learn the core principles, methods, algorithms, and applications of LIMB.

Computerworld Springer Nature
Multicore Processors and Systems provides a comprehensive overview of emerging multicore processors and systems. It covers technology trends affecting multicores, multicore architecture innovations, multicore software innovations, and case studies of state-of-the-art commercial multicore systems. A cross-cutting theme of the book is the challenges associated with scaling up multicore systems to hundreds of cores. The book provides an overview of significant developments in the architectures for multicore processors and systems. It includes chapters on fundamental requirements for multicore systems, including processing, memory systems, and interconnect. It also includes several case studies on commercial multicore systems that have recently been developed and deployed across multiple application domains. The architecture chapters focus on innovative multicore execution models as well as infrastructure for multicores, including memory systems and on-chip interconnections. The case studies examine multicore implementations across different application domains, including general purpose, server, media/broadband, network processing, and signal processing. Multicore Processors and Systems is the first book that focuses solely on multicore processors and systems, and in particular on the unique technology implications, architectures, and implementations. The book has contributing authors that are from both the academic and industrial communities.

Artificial Intelligence Applications and Innovations Continuous Computing Technologies for Enhancing Business Continuity
The computing world today is in the middle of a revolution: mobile clients and cloud computing have emerged as the dominant paradigms driving programming and hardware innovation today. The Fifth Edition of Computer Architecture focuses on this dramatic shift, exploring the ways in which software and technology in the cloud are accessed by cell phones, tablets, laptops, and other mobile computing devices. Each chapter includes two real-world examples, one mobile and one datacenter, to illustrate this revolutionary change. Updated to cover the mobile computing revolution Emphasizes the two most important topics in architecture today: memory hierarchy and parallelism in all its forms. Develops common themes throughout each chapter: power, performance, cost, dependability, protection, programming models, and emerging trends ("What's Next") Includes three review appendices in the printed text. Additional reference appendices are available online. Includes updated Case Studies and completely new exercises.

Multicore Processors and Systems Elsevier
This invaluable volume set of Advances in Geosciences continues the excellent tradition of the Asia-Oceania scientific community in providing the most up-to-date research results on a wide range of geosciences and environmental science. The information is vital to the understanding of the effects of climate change, extreme weathers on the most populated regions and fastest moving economies in the world. Besides, these volumes also highlight original papers from many prestigious research institutions which are doing cutting edge study in atmospheric physics, hydrological science and water resource, ocean science and coastal study, planetary exploration and solar system science, seismology, tsunamis, upper atmospheric physics and space science.

ARM System Developer's Guide IGI Global
InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

Installation guide Morgan Kaufmann
Foreword -- Foreword to the First Printing -- Preface -- Chapter 1 -- Introduction -- Chapter 2 -- Message Switching Layer -- Chapter 3 -- Deadlock, Livelock, and Starvation -- Chapter 4 -- Routing Algorithms -- Chapter 5 -- CollectiveCommunicationSupport -- Chapter 6 -- Fault-Tolerant Routing -- Chapter 7 -- Network Architectures -- Chapter 8 -- Messaging Layer Software -- Chapter 9 -- Performance Evaluation -- Appendix A -- Formal Definitions for Deadlock Avoidance -- Appendix B -- Acronyms -- References -- Index.

Modelling Passenger Flows in Public Transport Facilities IGI Global
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-bystep “ 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) includes new 1Z0-821 and 1Z0-822 study strategies and self-assessment exams.

Advances in Geosciences Prentice Hall

"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 (likeDTrace), you will more often find yourself in what was previously unchartable 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, Aeysis "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." --Marc 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.