

Solaris Hardware Troubleshooting Guide

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[Solaris 8 Administrator's Guide Elsevier](#)
This IBM® Redbooks® publication consolidates, in one document, detailed descriptions of the hardware configurations and options offered as part of the IBM System Storage DS5000 families of products. This edition covers updates and additional functions available with the IBM System Storage DS® Storage Manager Version 10.77 (firmware level 7.77). This book presents the concepts and functions used in planning and managing the storage servers, such as multipathing and path failover. The book offers a step-by-step guide to using the Storage Manager to create arrays, logical drives, and other basic (as well as advanced) management tasks. This publication also contains practical information about diagnostics and troubleshooting, and includes practical examples of how to use scripts and the command-line interface. This publication is intended for customers, IBM Business Partners, and IBM technical professionals who want to learn more about the capabilities and advanced functions of the DS5000 series of storage servers with Storage Manager Software V10.77. It also targets those who have a DS5000 storage subsystem and need detailed advice about how to configure it. This book is designed specifically to address the hardware features and configuration of the IBM System Storage DS5000 family and can be used in conjunction with the following IBM Redbooks publications: IBM System Storage DS5000 Series Implementation and Best Practices Guide, SG24-8024 IBM System Storage DS Storage Manager Copy Services Guide, SG24-7822

Solaris 9 Sun Certified System Administrator Study Guide Apress
This complete guide to setting up and running a TCP/IP network is essential for network administrators, and invaluable for users of home systems that access the Internet. The book starts with the fundamentals -- what protocols do and how they work, how addresses and routing are used to move data through the network, how to set up your network connection -- and then covers, in detail, everything you need to know to exchange information via the Internet. Included are discussions on advanced routing protocols (RIPv2, OSPF, and BGP) and the gated software package that implements them, a tutorial on configuring important network services -- including DNS, Apache, sendmail, Samba, PPP, and DHCP -- as well as expanded chapters on troubleshooting and security. TCP/IP Network Administration is also a command and syntax reference for important packages such as gated, pppd, named, dhcpd, and sendmail. With coverage that includes Linux, Solaris, BSD, and System V TCP/IP implementations, the third edition contains: Overview of TCP/IP Delivering the data Network services Getting startedM Basic configuration Configuring the interface Configuring routing Configuring DNS Configuring network servers Configuring sendmail Configuring Apache Network security Troubleshooting Appendices include dip, ppd, and chat reference, a gated reference, a dhcpd reference, and a sendmail reference This new edition includes ways of configuring Samba to provide file and print sharing on networks that integrate Unix and Windows, and a new chapter is dedicated to the important task of configuring the Apache web server. Coverage of network security now includes details on OpenSSH, stunnel, gpg, iptables, and the access control mechanism in xinetd. Plus, the book offers updated information about DNS, including details on BIND 8 and BIND 9, the role of classless IP addressing and network prefixes, and the changing role of registrars. Without a doubt, TCP/IP Network Administration, 3rd Edition is a must-have for all network administrators and anyone who deals with a network that transmits data over the Internet.

NetBeans: The Definitive Guide "O'Reilly Media, Inc."
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.
[Solaris 2.6 Administrator Certification Training Guide](#) Prentice Hall Professional
Identify, capture and resolve common issues faced by Red Hat Enterprise Linux administrators using best practices and advanced troubleshooting techniques About This Book Develop a strong understanding of the base tools available within Red Hat Enterprise Linux (RHEL) and how to utilize these tools to troubleshoot and resolve real-world issues Gain hidden tips and techniques to help you quickly detect the reason for poor network/storage performance Troubleshoot your RHEL to isolate problems using this example-oriented guide full of real-world solutions Who This Book Is For If you have a basic knowledge of Linux from administration or consultant experience and wish to add to your Red Hat Enterprise Linux troubleshooting skills, then this book is ideal for you. The ability to navigate and use basic Linux commands is expected. What You Will Learn Identify issues that need rapid resolution against long term root cause analysis Discover commands for testing network connectivity such as telnet, netstat, ping, ip and curl Spot performance issues with commands such as top, ps, free, iostat, and vmstat Use tcpdump for traffic analysis Repair a degraded file system and rebuild a software raid Identify and troubleshoot hardware issues using dmesg Troubleshoot custom applications with strace and knowledge of Linux resource limitations In Detail Red Hat Enterprise Linux is an operating system that allows you to modernize your infrastructure, boost efficiency through virtualization, and finally prepare your data center for an open, hybrid cloud IT architecture. It provides the stability to take on today's challenges and the flexibility to adapt to tomorrow's demands. In this book, you begin with simple troubleshooting best practices and get an overview of the Linux

commands used for troubleshooting. The book will cover the troubleshooting methods for web applications and services such as Apache and MySQL. Then, you will learn to identify system performance bottlenecks and troubleshoot network issues; all while learning about vital troubleshooting steps such as understanding the problem statement, establishing a hypothesis, and understanding trial, error, and documentation. Next, the book will show you how to capture and analyze network traffic, use advanced system troubleshooting tools such as strace, tcpdump & dmesg, and discover common issues with system defaults. Finally, the book will take you through a detailed root cause analysis of an unexpected reboot where you will learn to recover a downed system. Style and approach This is an easy-to-follow guide packed with examples of real-world core Linux concepts. All the topics are presented in detail while you're performing the actual troubleshooting steps.
OCA Oracle Solaris 11 System Administration Exam Guide (Exam 1Z0-821) Prentice Hall Professional
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.
[Troubleshooting and Performance Tuning Hints for Solaris\(r\) 10 and OpenSolaris\(r\)](#) John Wiley & Sons
With over a million licensed users for Solaris 8, Sun Microsystems successfully launched the long awaited Solaris 9 O/S in May 2002. Soon after, Sun revamped their popular certification track to include two tiered certifications. With new objectives, the Certified System Administrator, is positioned to be one of the most popular IT certifications. In order to obtain your Certified System Administrator certification, one must pass two exams. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.
Oracle Solaris Cluster Essentials McGraw Hill Professional
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 Essentials "O'Reilly Media, Inc."
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.
Time-Saving Tips, Techniques, and Workarounds Createspace Independent Pub
This IBM® Redbooks® publication consolidates, in one document, detailed descriptions of the hardware configurations and options offered as part of the IBM Midrange System Storage™ servers, which include the IBM System Storage DS4000® and DS5000 families of products. This edition covers updates and additional functions available with the IBM System Storage DS® Storage Manager Version 10.60 (firmware level 7.60). This book presents the concepts and functions used in planning and managing the storage servers, such as multipathing and path failover. The book offers a step-by-step guide to using the Storage Manager to create arrays, logical drives, and other basic (as well as advanced) management tasks. This publication also contains practical information about diagnostics and troubleshooting, and includes practical examples of how to use scripts and the command-line interface. This publication is intended for customers, IBM Business Partners, and IBM technical professionals who want to learn more about the capabilities and advanced functions of the DS4000 series of storage servers with Storage Manager Software V10.60. It also targets those who have a DS4000 and DS5000 storage subsystem and need detailed advice about how to configure it.
[Red Hat Enterprise Linux Troubleshooting Guide](#) "O'Reilly Media, Inc."
Jakarta Tomcat is not only the most commonly used open source servlet engine today, it's become the de facto standard by which other servlet engines are measured. Powerful and flexible, it can be used as a stand-alone web server or in conjunction with another server, like Apache or IIS, to run servlets or JSPs. But mastery of Tomcat is not easy: because it's as complex as it is complete. Tomcat: The Definitive Guide answers vexing questions that users, administrators, and developers alike have been asking. This concise guide provides much needed information to help harness Tomcat's power and wealth of features. Tomcat: The Definitive Guide offers something for everyone who uses Tomcat. System and network administrators will find detailed instructions on installation, configuration, and maintenance. For users, it supplies insightful information on how to deploy Tomcat. And seasoned enterprise Java developers will have a complete reference to setting up, running, and using this powerful software The book begins with an introduction to the Tomcat server and includes an overview of the three types of server configurations: stand-alone, in-process, and out-of-process. The authors show how directories are laid out, cover the initial setup, and describe how to set the environment variables and modify the configuration files, concluding with common errors, problems, and solutions. In subsequent chapters, they cover: The server.xml configuration file Java Security manager Authentication schemes and Tomcat users The Secure Socket Layer (SSL) Tomcat JDBC Realms Installing servlets and Java Server Pages Integrating Tomcat with Apache Advanced Tomcat configuration and much more. Tomcat: The Definitive Guide covers all major platforms, including Windows, Solaris, Linux, and Mac OS X, contains details on Tomcat configuration files,

and has a quick-start guide to get developers up and running with Java servlets and JavaServer Pages. If you've struggled with this powerful yet demanding technology in the past, this book will provide the answers you need.

Practical UNIX Prentice Hall Professional

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.

Boot Disk Management Pearson Education

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.

Solaris Guide for Windows NT Administrators Prentice Hall

The aim of this IBM Redbooks publication is to provide a technical reference for IT system administrators in organizations that are considering a migration from Sun Solaris to IBM AIX 5L-based systems. This book presents a system administrator view of the technical differences that exist and the methods that are necessary to complete a successful migration to AIX 5L-based systems. This book is designed primarily as a reference for experienced Sun Solaris 8 or 9 system administrators who will be working with AIX 5L. This book is not an AIX 5L administration how-to book for system administrators who are beginners, but rather a guide for experienced administrators who have to translate a given Solaris system administration task to AIX 5L.

Solaris 8 Packt Publishing Ltd

Introducing Solaris system administrator's; Using basic OS commands; Administering devices; Administering file systems; Administering network services; Administering printing; Administering user accounts and groups; Understanding shells; Administering systems; Recognizing file access problems; Major differences: SunOS 4.x versus SunOS 5.x operating systems.

The Official Guide IBM Redbooks

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

SSH, The Secure Shell New Riders Pub

Lacking access to any enforceable configuration standards, anyone attempting to select and configure hardware required to install Solaris for x86 in stand-alone and networked (grouped) configurations, is bound to hit some troublesome and frustrating pitfalls. Written in non-technical language -- supplemented with how-to illustrations, checklists, and rules-of-thumb -- this user-friendly configuration and planning guide takes the mystery out of technical configuration details and walks readers step-by-step through a simple structured approach for making the critical decisions that will ultimately result in trouble-free computer and network hardware operation. Focuses on good planning as the key to successful hardware configuration and installation. Shows how to: determine hardware requirements; select compatible hardware; configure hardware components; design the physical network; troubleshoot installation problems. Features hardware selection and configuration charts; resource contact lists; installation planning checklists; technology tutorials; and network design guidelines. For those who are upgrading hardware for use with Solaris for x86, setting up a small networked group of x86 systems, providing technical support of x86 installations, or putting DOS and Solaris for x86 on the same system.

Prentice Hall Professional

As a study guide, each topic in this manual will be covered in enough detail so that the reader is equipped to complete the Part I of the certification exam.

Solaris System Administrator's Guide PC Hardware Configuration Guide for DOS and Solaris

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 (DTTrace), 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.

A Comprehensive Guide for Developers John Wiley & Sons

The Solaris operating system, along with related Sun products likeJava, is one of the most reliable and scalable platforms on whichto build e-commerce products, and on which to support all networkedservices. Yet, one problem that potential users face is finding outmore information about what Solaris offers. In a sense, they want toknow how much technical work is involved in migrating to

Solaris,and what kind of philosophy Solaris is based on.To answer these questions, Solaris 8 Administrator's Guidecovers all aspects of deploying Solaris as a network server, includingboth basic and advanced network services. Given newfound interest inSolaris as an enterprise network operating system, this guide is aimedsquarely at supporting enterprise-level services. It's written forexperienced network administrators who want an objective guide tonetworking with Solaris, and covers installation on both the Inteland Sparc platforms. With it, you will learn how to setup Solaris asa file server, application server, and database server.In its coverage of advanced topics, Solaris 8 Administrator's Guideoffers examples of configuration files and the installation of third-partysoftware packages. This comprehensive book also contains more conceptualand difficult material that is absent from other Solaris reference manuals.At all points, emphasis is placed on issues like evaluating the security,scalability, and reliability of specific software packages--at the expenseof providing detailed coverage of every available package.The book covers the practical experience and new skills needed to understandthe impact of new services and new software products on existing server systems.Author Paul Watters--a recognized authority on Solaris--avoids so-called"historical" services, like UUCP, which can easily fill chapters but arenot commonly found in today's production environments. Indeed, he doesn'tbother to provide an in-depth history of Solaris or UNIX at all, assumingthat you can find this material elsewhere. Instead, the practical focus ison supporting relevant contemporary networking technologies.Solaris 8 Administrator's Guide provides you with a third-party viewthat not only praises Solaris, but is critical and realistic in its assessment.This book is for experienced Solaris Administrators as well as and those lookingto migrate to this operating system.

Solaris 8 Advanced System Administrator's Guide Pearson Education

Everything you need to administer services on Solaris-based systems Major e-commerce players use Sun servers and Solaris to power all or parts of their Internet businesses. If this is a work environment you need to crack, reach out for Solaris: The Complete Reference, by Sriranga Veeraraghavan. This covers-it-all guide puts at your fingertips all of the critical information you need to deploy and administer services on Solaris-based systems: *Installation, system startup and shutdown, and process management *Managing devices, basic and advanced file system, and backups *Routing, Network Information Service, and managing remote access *File sharing with UNIX, Macintosh and Windows systems *Monitoring performance and system activity*More!