

Netbackup Admin Guide

Secrets of the Oracle Database
Implementing Backup and Recovery
Introducing VERITAS Foundation Suite for AIX
SAP Backup using Tivoli Storage Manager
Learning Amazon Web Services (AWS)
Beginning Unix
A Practical Approach to Cloud IaaS with IBM SoftLayer: Presentations Guide
IBM TotalStorage 3494 Tape Library
SQL Server Backup and Restore
IBM TS4500 R7 Tape Library Guide
Agile Processes in Software Engineering and Extreme Programming - Workshops
UNIX and Linux System Administration Handbook
MCSE Guide to Microsoft Windows 2000 Professional
Drupal 8 Development: Beginner's Guide
Data Protection
Disaster Recovery and Backup Solutions for IBM FileNet P8 Version 4.5.1 Systems
Server/workstation Expert
CentOS System Administration Essentials
IBM System Storage N series Software Guide
VMware vCloud Director Cookbook
IT Release Management
IBM Cloud Object Storage Concepts and Architecture System Edition
Sys Admin
Oracle GoldenGate 12c Implementer's Guide
Mike Meyers' CompTIA Network+ Guide to Managing and Troubleshooting Networks, 3rd Edition (Exam N10-005)
The Definitive Handbook of Business Continuity Management
PC Magazine
Thermodynamics of the Earth and Planets
VMware Private Cloud Computing with VCloud Director
Linux Clustering
Virtualizing Oracle Databases on VSphere
High Availability and Disaster Recovery Options for DB2 for Linux, UNIX, and Windows
Rtfm
Content Manager OnDemand Backup, Recovery, and High Availability
Using SANs and NAS
Linux Administration Handbook
Network Intrusion Prevention Design Guide: Using IBM Security Network IPS
IBM SONAS Implementation Guide
Automating Linux and Unix System Administration
IBM ProtecTIER Implementation and Best Practices Guide

Secrets of the Oracle Database

Implementing Backup and Recovery

Object Storage is the primary storage solution that is used in the cloud and on-premises solutions as a central storage platform for unstructured data. Object Storage is growing more popular for the following reasons: It is designed for exabyte scale. It is easy to manage and yet meets the growing demands of enterprises for a broad set of applications and workloads. It allows users to balance storage cost, location, and compliance control requirements across data sets and essential applications. IBM® Cloud Object Storage (IBM COS) system provides industry-leading flexibility that enables your organization to handle unpredictable but always changing needs of business and evolving workloads. IBM COS system is a software-defined storage solution that is hardware aware. This awareness allows IBM COS to be an enterprise-grade storage solution that is highly available and reliable and uses commodity x86 servers. IBM COS takes full advantage of this hardware awareness by ensuring that the server performs optimally from a monitoring, management, and performance

perspective. The target audience for this IBM Redpaper publication is IBM COS architects, IT specialists, and technologists.

Introducing VERITAS Foundation Suite for AIX

As organizations strive to do more with less, IBM® DB2® for Linux, UNIX, and Windows provides various built-in high availability features. DB2 further provides high availability solutions by using enterprise system resources with broad support for clustering software, such as IBM PowerHA® SystemMirror®, IBM Tivoli® System Automation for Multiplatforms (Tivoli SA MP), and Microsoft Windows Cluster Server. This IBM Redbooks® publication describes the DB2 high availability functions and features, focusing on High Availability Disaster Recovery (HADR) in the OLTP environment. The book provides a detailed description of HADR, including setup, configuration, administration, monitoring, and preferred practices. This book explains how to configure Cluster software PowerHA, Tivoli SA MP, and MSCS with DB2 and show how to use these products to automate HADR takeover. DB2 also provides unprecedented enterprise-class disaster recovery capability. This book covers single system view backup, backup and restore with snapshot backup, and the db2recovery command, in detail. This book is intended for database administrators and information management professionals who want to design, implement, and support a highly available DB2 system.

SAP Backup using Tivoli Storage Manager

IBM® Scale Out Network Attached Storage (SONAS) is a scale out network-attached storage offering that is designed to manage vast repositories of information in enterprise environments that require large capacities, high levels of performance, and high availability. SONAS provides a range of reliable, scalable storage solutions for various storage requirements. These capabilities are achieved by using network access protocols such as Network File System (NFS), Common Internet File System (CIFS), Hypertext Transfer Protocol Secure (HTTPS), File Transfer Protocol (FTP), and Secure Copy Protocol (SCP). Using built-in RAID technologies, all data is well-protected with options to add more protection through mirroring, replication, snapshots, and backup. These storage systems are also characterized by simple management interfaces that make installation, administration, and troubleshooting uncomplicated and straightforward. This IBM Redbooks® publication is the companion to IBM SONAS Best Practices, SG24-8051. It is intended for storage administrators who have ordered their SONAS solution and are ready to install, customize, and use it. It provides backup and availability scenarios information about configuration and troubleshooting. This book applies to IBM SONAS Version 1.5.5. It is useful for earlier releases of IBM SONAS as well.

Learning Amazon Web Services (AWS)

Beginning Unix

In this IBM® Redbooks® publication, we give an overview of different data management topics related to a typical SAP® data center. The intrinsic functionality of SAP is not designed to completely handle all the tasks of a data center by itself, but the SAP system offers several interface possibilities to attach external tools to it to accomplish this task. We explain SAP basic concepts and the issues with SAP data management. We introduce Tivoli® Storage Manager and all of its products that are related to SAP data management. We provide some comparison between database backup and recovery tools. Finally, we discuss data archiving using IBM DB2® CommonStore for SAP, and discuss high availability requirements and disaster recovery considerations. The second part of this book discusses a practical implementation of SAP backup and recovery with Tivoli Storage Manager. We implement this setup on two separate SAP systems: one running DB2 and the other running Oracle® database. We also implement LAN-free backup and FlashCopy® scenarios. In the sample implementation section, we show many different tasks, such as backup and restore, database recovery, backup monitoring, and tuning. We also cover some advanced backup/availability considerations, such as split mirror backup and standby databases. This book helps individuals that operate an SAP environment to devise a strategy for a sound and comprehensive data backup solution using the IBM Tivoli Storage Management product family.

A Practical Approach to Cloud IaaS with IBM SoftLayer: Presentations Guide

Annotation Thousands of organizations are virtualizing large-scale Oracle database systems. But, until now, reliable best practices have been hard to find, and database and virtualization professionals have often brought differing and incompatible perspectives to the challenge. Now, there's a comprehensive best practice guide reflecting deep understanding of both Oracle and vSphere, and supported by extensive in-the-field experience with the full spectrum of applications and environments.

IBM TotalStorage 3494 Tape Library

If you are a Linux administrator who is looking to gain knowledge that differentiates yourself from the crowd, then this is the book for you. Beginners who have a keen interest to learn more about Linux administration will also progress quickly with this resourceful learning guide.

SQL Server Backup and Restore

GoldenGate exchanges data among systems in a timely manner and meets the demand for real-time access to information

regardless of volume. The new release, 12c, includes an optimized database, intelligent and integrated delivery capabilities, expanded heterogeneity, and tighter security. Perform zero downtime data migration to on-premise or public cloud with GoldenGate's feature-rich portfolio. Start with the installation and learn the design concepts and enhanced configuration of GoldenGate 12c. Exploit new 12c features to successfully implement GoldenGate on your enterprise. Dive deep into configuring GoldenGate for high availability, DDL support, and reverse processing. Build fast, secure, robust, scalable technical solutions by tuning data delivery and networks. Finally, enrich your data replication knowledge by learning the troubleshooting tips.

IBM TS4500 R7 Tape Library Guide

Covering all aspects of the Unix operating system and assuming no prior knowledge of Unix, this book begins with the fundamentals and works from the ground up to some of the more advanced programming techniques. The authors provide a wealth of real-world experience with the Unix operating system, delivering actual examples while showing some of the common misconceptions and errors that new users make. Special emphasis is placed on the Apple Mac OS X environment as well as Linux, Solaris, and migrating from Windows to Unix. A unique conversion section of the book details specific advice and instructions for transitioning Mac OS X, Windows, and Linux users.

Agile Processes in Software Engineering and Extreme Programming - Workshops

Designed to help prepare you for the MCSE Certification and the challenges you will face as a networking professional working with Microsoft Windows 2000 Professional.

UNIX and Linux System Administration Handbook

A database administrator's duties include ensuring that a database can be restored and recovered in the event of error or disaster. This book discusses how to perform backup and restore operations using SQL Server Management Studio (SSMS), basic T-SQL scripts and Red Gate's SQL Backup tool. Capturing backups using SSMS or simple scripts is fine for one-off backup operations, but any backups that form part of the recovery strategy for any given database must be automated with some built-in checks that, for example, alert the responsible database administrator immediately if a problem arises. The tool of choice in this book for backup automation is Red Gate SQL Backup. Building an automated solution will take a lot of work, but this book offers some advice on possible options, such as PowerShell scripting, T-SQL scripts and SQL Server Agent jobs. --

MCSE Guide to Microsoft Windows 2000 Professional

When implemented correctly, release management can help ensure that quality is integrated throughout the development, implementation, and delivery of services, applications, and infrastructure. This holistic, total cost of ownership approach allows for higher levels of system availability, is more cost effective to maintain, and increases overall s

Drupal 8 Development: Beginner's Guide

Compares the architecture, management responsibilities, storage procedures, size, and reliability of the information storage and retrieval technologies.

Data Protection

Offers information on cloud theory and strategies and includes information on how to build and deliver a private cloud using VMware vCloud Director 5.1.

Disaster Recovery and Backup Solutions for IBM FileNet P8 Version 4.5.1 Systems

The second edition of Data Protection goes beyond the traditional topics including deduplication, continuous availability, snapshots, replication, backup and recovery, and explores such additional considerations as legal, privacy, and ethical issues. A new model is presented for understanding and planning the various aspects of data protection, which is essential to developing holistic strategies. The second edition also addresses the Cloud and the growing adoption of software and function as a service, as well as effectively planning over the lifespan of a workload what the best mix of traditional, and cloud native data protection services might be. Virtualization continues to present new challenges to data protection, and the impact of containerization is examined. The book takes a holistic, business-based approach to data protection. It explains how data protection is a mix of proactive and reactive planning, technology and activities that allow for data continuity. There are three essential activities that refer to themselves as data protection; while they all overlap in terms of scope and function, each operate as reasonably self-contained fields with their own specialists and domain nomenclature. These three activities are: Data protection as a storage and recovery activity Data protection as a security activity Data protection as a privacy activity These activities are covered in detail, with a focus on how organizations can use them to leverage their IT investments and optimize costs. The book also explains how data protection is becoming an enabler for new processes around data movement and data processing. This book arms readers with information critical for making decisions on how data can be protected against loss in the cloud, on-premises, or in a mix of the two. It explains the

changing face of recovery in a highly virtualized data center and techniques for dealing with big data. Moreover, it presents a model for where data recovery processes can be integrated with IT governance and management in order to achieve the right focus on recoverability across the business.

Server/workstation Expert

"Linux Clustering" is the premier resource for system administrators wishing to implement clustering solutions on the many types of Linux systems. It guides Linux Administrators through difficult tasks while offering helpful tips and tricks.

CentOS System Administration Essentials

IBM System Storage N series Software Guide

VMware vCloud Director Cookbook will adopt a Cookbook-based approach. Packed with illustrations and programming examples, this book explains the simple as well as the complex recipes in an easy-to-understand language. VMware vCloud Director Cookbook is aimed at system administrators and technical architects moving from a virtualized environment to cloud environments. Familiarity with cloud computing platforms and some knowledge of virtualization and managing cloud environments is expected.

VMware vCloud Director Cookbook

This IBM® Redbooks® publication provides best practice guidance for planning, installing, configuring, and employing the IBM TS7600 ProtecTIER® family of products. It provides the latest best practices for the practical application of ProtecTIER Software Version 3.4. This latest release introduces the new ProtecTIER Enterprise Edition TS7650G DD6 model high performance server. This book also includes information about the revolutionary and patented IBM HyperFactor® deduplication engine, along with other data storage efficiency techniques, such as compression and defragmentation. The IBM System Storage® TS7650G ProtecTIER Deduplication Gateway and the IBM System Storage TS7620 ProtecTIER Deduplication Appliance Express are disk-based data storage systems: The Virtual Tape Library (VTL) interface is the foundation of ProtecTIER and emulates traditional automated tape libraries. For your existing ProtecTIER solution, this guide provides best practices and suggestions to boost the performance and the effectiveness of data deduplication with regards to your application platforms for your VTL and FSI (systems prior to version 3.4). When you build a ProtecTIER data deduplication environment, this guide can help IT architects and solution designers plan for the best option and scenario for

data deduplication for their environments. This book can help you optimize your deduplication ratio, while reducing the hardware, power and cooling, and management costs. This Redbooks publication provides expertise that was gained from an IBM ProtecTIER System Client Technical Specialist (CTS), Development, and Quality Assurance teams. This planning should be done by the Sales Representative or IBM Business Partner, with the help of an IBM System CTS or IBM Solution Architect.

IT Release Management

This open access book constitutes the research workshops, doctoral symposium and panel summaries presented at the 20th International Conference on Agile Software Development, XP 2019, held in Montreal, QC, Canada, in May 2019. XP is the premier agile software development conference combining research and practice. It is a hybrid forum where agile researchers, academics, practitioners, thought leaders, coaches, and trainers get together to present and discuss their most recent innovations, research results, experiences, concerns, challenges, and trends. Following this history, for both researchers and seasoned practitioners XP 2019 provided an informal environment to network, share, and discover trends in Agile for the next 20 years. Research papers and talks submissions were invited for the three XP 2019 research workshops, namely, agile transformation, autonomous teams, and large scale agile. This book includes 15 related papers. In addition, a summary for each of the four panels at XP 2019 is included. The panels were on security and privacy; the impact of the agile manifesto on culture, education, and software practices; business agility - agile's next frontier; and Agile - the next 20 years.

IBM Cloud Object Storage Concepts and Architecture System Edition

“As this book shows, Linux systems are just as functional, secure, and reliable as their proprietary counterparts. Thanks to the ongoing efforts of thousands of Linux developers, Linux is more ready than ever for deployment at the frontlines of the real world. The authors of this book know that terrain well, and I am happy to leave you in their most capable hands.”
-Linus Torvalds “The most successful sysadmin book of all time—because it works!” -Rik Farrow, editor of ;login: “This book clearly explains current technology with the perspective of decades of experience in large-scale system administration. Unique and highly recommended.” -Jonathan Corbet, cofounder, LWN.net “Nemeth et al. is the overall winner for Linux administration: it’s intelligent, full of insights, and looks at the implementation of concepts.” -Peter Salus, editorial director, Matrix.net Since 2001, Linux Administration Handbook has been the definitive resource for every Linux® system administrator who must efficiently solve technical problems and maximize the reliability and performance of a production environment. Now, the authors have systematically updated this classic guide to address today’s most important Linux distributions and most powerful new administrative tools. The authors spell out detailed best practices for every facet of

system administration, including storage management, network design and administration, web hosting, software configuration management, performance analysis, Windows interoperability, and much more. Sysadmins will especially appreciate the thorough and up-to-date discussions of such difficult topics such as DNS, LDAP, security, and the management of IT service organizations. Linux® Administration Handbook, Second Edition, reflects the current versions of these leading distributions: Red Hat® Enterprise Linux® Fedora™ Core SUSE® Linux Enterprise Debian® GNU/Linux Ubuntu® Linux Sharing their war stories and hard-won insights, the authors capture the behavior of Linux systems in the real world, not just in ideal environments. They explain complex tasks in detail and illustrate these tasks with examples drawn from their extensive hands-on experience.

Sys Admin

Corporate workgroups, distributed enterprises, and small to medium-sized companies are increasingly seeking to network and consolidate storage to improve availability, share information, reduce costs, and protect and secure information. These organizations require enterprise-class solutions capable of addressing immediate storage needs cost-effectively, while providing an upgrade path for future requirements. IBM® System Storage® N series storage systems and their software capabilities are designed to meet these requirements. IBM System Storage N series storage systems offer an excellent solution for a broad range of deployment scenarios. IBM System Storage N series storage systems function as a multiprotocol storage device that is designed to allow you to simultaneously serve both file and block-level data across a single network. These activities are demanding procedures that, for some solutions, require multiple, separately managed systems. The flexibility of IBM System Storage N series storage systems, however, allows them to address the storage needs of a wide range of organizations, including distributed enterprises and data centers for midrange enterprises. IBM System Storage N series storage systems also support sites with computer and data-intensive enterprise applications, such as database, data warehousing, workgroup collaboration, and messaging. This IBM Redbooks® publication explains the software features of the IBM System Storage N series storage systems. This book also covers topics such as installation, setup, and administration of those software features from the IBM System Storage N series storage systems and clients and provides example scenarios.

Oracle GoldenGate 12c Implementer's Guide

“As an author, editor, and publisher, I never paid much attention to the competition—except in a few cases. This is one of those cases. The UNIX System Administration Handbook is one of the few books we ever measured ourselves against.”
—Tim O’Reilly, founder of O’Reilly Media “This edition is for those whose systems live in the cloud or in virtualized data centers; those whose administrative work largely takes the form of automation and configuration source code; those who

collaborate closely with developers, network engineers, compliance officers, and all the other worker bees who inhabit the modern hive.” —Paul Vixie, Internet Hall of Fame-recognized innovator and founder of ISC and Farsight Security “This book is fun and functional as a desktop reference. If you use UNIX and Linux systems, you need this book in your short-reach library. It covers a bit of the systems’ history but doesn’t bloviate. It’s just straight-forward information delivered in a colorful and memorable fashion.” —Jason A. Nunnelley UNIX® and Linux® System Administration Handbook, Fifth Edition, is today’s definitive guide to installing, configuring, and maintaining any UNIX or Linux system, including systems that supply core Internet and cloud infrastructure. Updated for new distributions and cloud environments, this comprehensive guide covers best practices for every facet of system administration, including storage management, network design and administration, security, web hosting, automation, configuration management, performance analysis, virtualization, DNS, security, and the management of IT service organizations. The authors—world-class, hands-on technologists—offer indispensable new coverage of cloud platforms, the DevOps philosophy, continuous deployment, containerization, monitoring, and many other essential topics. Whatever your role in running systems and networks built on UNIX or Linux, this conversational, well-written guide will improve your efficiency and help solve your knottiest problems.

Mike Meyers’ CompTIA Network+ Guide to Managing and Troubleshooting Networks, 3rd Edition (Exam N10-005)

The IBM® TS4500 (TS4500) tape library is a next-generation tape solution that offers higher storage density and better integrated management than previous solutions. This IBM Redbooks® publication gives you a close-up view of the new IBM TS4500 tape library. In the TS4500, IBM delivers the density that today's and tomorrow's data growth requires. It has the cost-effectiveness and the manageability to grow with business data needs, while you preserve investments in IBM tape library products. Now, you can achieve a low cost per terabyte (TB) and a high TB density per square foot because the TS4500 can store up to 11 petabytes (PB) of uncompressed data in a single frame library or scale up to 2 PB per square foot to over 350 PB. The TS4500 offers the following benefits: High availability: Dual active accessors with integrated service bays reduce inactive service space by 40%. The Elastic Capacity option can be used to eliminate inactive service space. Flexibility to grow: The TS4500 library can grow from the right side and the left side of the first L frame because models can be placed in any active position. Increased capacity: The TS4500 can grow from a single L frame up to another 17 expansion frames with a capacity of over 23,000 cartridges. High-density (HD) generation 1 frames from the TS3500 library can be redeployed in a TS4500. Capacity on demand (CoD): CoD is supported through entry-level, intermediate, and base-capacity configurations. Advanced Library Management System (ALMS): ALMS supports dynamic storage management, which enables users to create and change logical libraries and configure any drive for any logical library. Support for IBM TS1160 while also supporting TS1155, TS1150, and TS1140 tape drive: The TS1160 gives organizations an easy way to deliver fast access to data, improve security, and provide long-term retention, all at a lower cost than disk solutions. The

TS1160 offers high-performance, flexible data storage with support for data encryption. Also, this enhanced fifth-generation drive can help protect investments in tape automation by offering compatibility with existing automation. The TS1160 Tape Drive Model 60E delivers a dual 10 Gb or 25 Gb Ethernet host attachment interface that is optimized for cloud-based and hyperscale environments. The TS1160 Tape Drive Model 60F delivers a native data rate of 400 MBps, the same load/ready, locate speeds, and access times as the TS1155, and includes dual-port 16 Gb Fibre Channel support. Support of the IBM Linear Tape-Open (LTO) Ultrium 8 tape drive: The LTO Ultrium 8 offering represents significant improvements in capacity, performance, and reliability over the previous generation, LTO Ultrium 7, while still protecting your investment in the previous technology. Support of LTO 8 Type M cartridge (m8): The LTO Program introduced a new capability with LTO-8 drives. The ability of the LTO-8 drive to write 9 TB on a brand new LTO-7 cartridge instead of 6 TB as specified by the LTO-7 format. Such a cartridge is called an LTO-7 initialized LTO-8 Type M cartridge. Integrated TS7700 back-end Fibre Channel (FC) switches are available. Up to four library-managed encryption (LME) key paths per logical library are available. This book describes the TS4500 components, feature codes, specifications, supported tape drives, encryption, new integrated management console (IMC), command-line interface (CLI), and REST over SCSI (RoS) to obtain status information about library components. October 2020 - Added support for the 3592 model 60S tape drive that provides a dual-port 12 Gb SAS (Serial Attached SCSI) interface for host attachment.

The Definitive Handbook of Business Continuity Management

The author focuses solely on how UNIX and Linux system administrators can use well-known tools to automate tasks, even across multiple systems.

PC Magazine

With a pedigree going back over ten years, The Definitive Handbook of Business Continuity Management can rightly claim to be a classic guide to business risk management and contingency planning, with a style that makes it accessible to all business managers. Some of the original underlying principles remain the same – but much has changed. This is reflected in this radically updated third edition, with exciting and helpful new content from new and innovative contributors and new case studies bringing the book right up to the minute. This book combines over 500 years of experience from leading Business Continuity experts of many countries. It is presented in an easy-to-follow format, explaining in detail the core BC activities incorporated in BS 25999, Business Continuity Guidelines, BS 25777 IT Disaster Recovery and other standards and in the body of knowledge common to the key business continuity institutes. Contributors from America, Asia Pacific, Europe, China, India and the Middle East provide a truly global perspective, bringing their own insights and approaches to the subject, sharing best practice from the four corners of the world. We explore and summarize the latest

legislation, guidelines and standards impacting BC planning and management and explain their impact. The structured format, with many revealing case studies, examples and checklists, provides a clear roadmap, simplifying and demystifying business continuity processes for those new to its disciplines and providing a benchmark of current best practice for those more experienced practitioners. This book makes a massive contribution to the knowledge base of BC and risk management. It is essential reading for all business continuity, risk managers and auditors: none should be without it.

Thermodynamics of the Earth and Planets

This IBM® Redbooks® publication is based on the Presentations Guide of the course A Practical Approach to Cloud IaaS with IBM SoftLayer, which was developed by the IBM Redbooks team in partnership with IBM Middle East and Africa University Program. This course is designed to teach university students how to build a simple infrastructure as a service (IaaS) cloud environment based on IBM SoftLayer®. It provides students with the fundamental skills to design, implement, and manage an IaaS cloud environment using the IBM SoftLayer platform as an example. The primary target audience for this course is university students in undergraduate computer science and computer engineer programs with no previous experience working in cloud environments. However, anyone new to cloud computing can benefit from this course. The workshop materials were created in July 2015. Thus, all IBM SoftLayer features discussed in this Presentations Guide are current as of July 2015.

VMware Private Cloud Computing with VCloud Director

This IBM Redbooks publication helps you understand backup, recovery, high availability, business continuity strategies, and options available for IBM DB2 Content Manager OnDemand. We begin with an introduction of the basic concepts of backup and recovery, high availability, disaster recovery, and business continuity. We also provide an overview of IBM DB2 Content Manager OnDemand. Because OnDemand is available on multiple platforms, iSeries, and z/OS, we address each platform separately, and discuss the backup and recovery strategies and options for each platform. In addition, we discuss various high availability and business continuity strategies and options. When applicable, we provide practical procedures and steps to accomplish backup, recovery, and high availability with sample commands and scripts. In some instances, case studies are presented to show you how real-world businesses implement backup procedures, high availability configurations, and disaster recovery plans. This book is intended for IT architects, IT specialists, and OnDemand system administrators who are responsible for designing, implementing, and maintaining OnDemand systems for various platforms.

Linux Clustering

Essential Skills for a Successful IT Career Written by CompTIA certification and training expert Mike Meyers, this instructive, full-color guide will help you pass CompTIA Network+ exam N10-005 and become an expert networking technician. Mike Meyers' CompTIA Network+ Guide to Managing and Troubleshooting Networks, Third Edition is completely up to date with the new CompTIA Network+ standards. From McGraw-Hill—a Gold-Level CompTIA Authorized Partner, this book offers Authorized CompTIA Approved Quality Content. Inside, you'll find helpful on-the-job tips, end-of-chapter practice questions, and hundreds of photographs and illustrations. End-of-chapter solutions and answers are only available to instructors and do not appear in the book. Learn how to: Build a network with the OSI and TCP/IP models Configure network hardware, topologies, and cabling Connect multiple Ethernet components Install and configure routers and switches Work with TCP/IP applications and network protocols Configure IPv6 routing protocols Set up clients and servers for remote access Configure wireless networks Secure networks with firewalls, NAT, port filtering, packet filtering, and other methods Implement virtualization Build a SOHO network Manage and troubleshoot networks The CD-ROM features: Two full practice exams Video presentation from Mike Meyers One hour of video training A new collection of Mike's favorite shareware and freeware networking tools and utilities Adobe Digital Editions free eBook download (subject to Adobe's system requirements) Each chapter includes: Learning objectives Photographs and illustrations Real-world examples Try This! and Cross Check exercises Key terms highlighted Tech Tips, Notes, and Warnings Exam Tips End-of-chapter quizzes and lab projects

Virtualizing Oracle Databases on VSphere

High Availability and Disaster Recovery Options for DB2 for Linux, UNIX, and Windows

Many organizations require continuous operation of their mission-critical, IBM® FileNet P8® systems after a failure has occurred. Loss of system resources and services as a result of any failure can translate directly into lost customers and lost revenue. The goal, therefore, is to design and implement a FileNet P8 system that ensures continuous operation even after a failure happens. This IBM Redbooks® publication focuses on FileNet P8 Version 4.5.1 systems disaster recovery. The book covers strategies, preparation levels, site sizing, data replication, testing, and what to do during a disaster. Backup and restore planning is a critical aspect of a disaster recovery strategy. We discuss backup types and strategies. We also discuss alternative strategies such as rolling storage policies and IBM FlashCopy® capability. With the help of use cases and our lab testing environment, the book provides guidelines for setting up a FileNet P8 production environment and a standby FileNet P8 disaster recovery system. This book is intended for IT architects, IT specialists, project managers, and decision makers, who must identify the best disaster recovery strategies and integrate them into the FileNet P8 system design process.

Rtfm

This textbook provides an intuitive yet mathematically rigorous introduction to the thermodynamics and thermal physics of planetary processes. It demonstrates how the workings of planetary bodies can be understood in depth by reducing them to fundamental physics and chemistry. The book is based on two courses taught by the author for many years at the University of Georgia. It includes 'Guided Exercise' boxes; end-of-chapter problems (worked solutions provided online); and software boxes (Maple code provided online). As well as being an ideal textbook on planetary thermodynamics for advanced students in the Earth and planetary sciences, it also provides an innovative and quantitative complement to more traditional courses in geological thermodynamics, petrology, chemical oceanography and planetary science. In addition to its use as a textbook, it is also of great interest to researchers looking for a 'one stop' source of concepts and techniques that they can apply to their research problems.

Content Manager OnDemand Backup, Recovery, and High Availability

Using SANs and NAS

Secrets of the Oracle Database is the definitive guide to undocumented and partially-documented features of the Oracle Database server. Covering useful but little-known features from Oracle Database 9 through Oracle Database 11, this book will improve your efficiency as an Oracle database administrator or developer. Norbert Debes shines the light of day on features that help you master more difficult administrative, tuning, and troubleshooting tasks than you ever thought possible. Finally, in one place, you have at your fingertips knowledge that previously had to be acquired through years of experience and word of mouth through knowing the right people. What Norbert writes is accurate, well-tested, well-illustrated by clear examples, and sure to improve your ability to make an impact on your day-to-day work with Oracle.

Linux Administration Handbook

The Red Team Field Manual (RTFM) is a no fluff, but thorough reference guide for serious Red Team members who routinely find themselves on a mission without Google or the time to scan through a man page. The RTFM contains the basic syntax for commonly used Linux and Windows command line tools, but it also encapsulates unique use cases for powerful tools such as Python and Windows PowerShell. The RTFM will repeatedly save you time looking up the hard to remember Windows nuances such as Windows wmic and dsquery command line tools, key registry values, scheduled tasks syntax, startup locations and Windows scripting. More importantly, it should teach you some new red team techniques.

Network Intrusion Prevention Design Guide: Using IBM Security Network IPS

Every organization today needs to manage the risk of exposing business-critical data, improve business continuity, and minimize the cost of managing IT security. Most all IT assets of an organization share a common network infrastructure. Therefore, the first line of defense is to establish proper network security. This security is a prerequisite for a logical set of technical countermeasures to protect from many different attack vectors that use the network to infiltrate the backbone of an organization. The IBM® Security Network Intrusion Prevention System (IPS) stops network-based threats before they can impact the business operations of an organization. Preemptive protection, which is protection that works ahead of a threat, is available by means of a combination of line-speed performance, security intelligence, and a modular protection engine that enables security convergence. By consolidating network security demands for data security and protection for web applications, the IBM Security Network IPS serves as the security platform that can reduce the costs and complexity of deploying and managing point solutions. This IBM Redbooks® publication provides IT architects and security specialists a better understanding of the challenging topic of blocking network threats. This book highlights security convergence of IBM Virtual Patch® technology, data security, and Web Application Protection. In addition, this book explores the technical foundation of the IBM Security Network IPS. It explains how to set up, configure, and maintain proper network perimeter protection within a real-world business scenario.

IBM SONAS Implementation Guide

Automating Linux and Unix System Administration

The Practical, Foundational Technical Introduction to the World's #1 Cloud Platform Includes access to several hours of online training video: Mark Wilkins' expert training video library guides you through setting up core services and prepares you to deploy your own apps and resources. Learning Amazon Web Services (AWS) is the perfect foundational resource for all administrators, developers, project managers, and other IT professionals who want to plan and deploy AWS services and/or earn AWS certification. Top cloud trainer and evangelist Mark Wilkins teaches best practices that align with Amazon's Well-Architected Framework, introduces key concepts in the context of a running case study, carefully explains how core AWS services operate and integrate, and offers extensively tested tips for maximizing flexibility, security, and value. Companion online videos guide you step-by-step through setting AWS compute, storage, networking, scale, security, automation, and more. Balance cost, compliance, and latency in your service designs Choose the right networking options for your virtual private cloud (VPC) Build, host, launch, manage, and budget for EC2 compute services Plan for scale and resiliency, and make informed decisions about AWS storage Enforce strict security, and automate to improve operational

efficiency This book with companion training videos is a valuable learning tool for anyone seeking to demonstrate expertise through formal certification. WEB EDITION: All buyers of the book or ebook can register your book for access to a free online Web Edition of this title, which included videos embedded within the text, plus updates as they become available.

IBM ProtecTIER Implementation and Best Practices Guide

Develop your programming skills by creating engaging websites using Drupal 8 About This Book Explore the new features of Drupal 8 through practical and interesting examples while building a fully functional recipe sharing website Learn about web content management, multi-media integration, and the newly introduced native web services in Drupal 8 A hands-on, example-driven guide to developing Drupal websites that covers everything from site building, theme development, creating custom modules, as well as the development environment Who This Book Is For If you are a developer who wants to use Drupal to enhance your website project and web application to manage content, this book is for you. Whether you are new to Drupal or an experienced web developer, you will be able to master both basic configuration and advanced module development in Drupal through this book. What You Will Learn Set up your Drupal development environment Brush up on your understanding of the concepts of object-oriented programming, module development, and test-driven development Install and configure Drupal, add new content type, and work through lot of dummy content to create listing pages using views Enhance the content author's user experience and custom block Find out about field Type API and explore custom theme development Manage various media types in Drupal for your content-rich website In Detail Drupal is one of the most popular platforms with which to develop websites. With more and more organizations looking to build engaging digital experience for their stakeholders, the Drupal Content Management System offers a mobile-first platform with native support for integrations, better performance, and scalability. The new version brings significant changes to its module development and theme creation techniques, improving performance and refining the development experience. This book will help you develop your own website using Drupal 8 in a step-by-step manner. You'll start off by setting up your development environment, enabling you to begin writing custom code for a Drupal-powered website through PHPStorm. You will learn about configuration management and creating custom content types before exploring the HTML5 features included with Drupal 8. You will then get familiar with Drupal 8's mobile-first features, explore the built-in WYSIWYG and in-line editing capabilities of Drupal 8, and enhance the overall authoring experience. Later, you will create and enhance a Media Entity Lightbox module, before taking an in-depth look at the Views module. We then cover some advanced search concepts and walk you through the installation and integration of the Java-based Apache Solr search engine. Finally, you will explore and configure the built-in support for REST and extend its support by installing the RESTful module. By the end of the book, you will have created a recipe sharing website while gaining a solid understanding of development best practices for Drupal 8. Style and approach Each chapter provides examples in a sequential manner from basic to advanced, and each example is explained using easy-to-understand language and a step-by-step approach. This programming

experience will enable you to create a wide range of content authoring as well as end user experience.

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