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Introduction to Grid Computing IBM Redbooks

Die komplett überarbeitete Neuauflage dieses preisgekrönten Buchs von Bestseller-Autor Orfali wird zweifellos zum neuen Standardwerk der Client/Server-Technologie. Zahlreiche Neuentwicklungen der letzten beiden Jahre - JavaBeans, XML, Dynamic HTML, Middleware wie COM/DCOM, Betriebs- und Netzwerksysteme wie Windows 98, Data Warehouses, Groupware wie Microsoft Exchange 5.5 wurden berücksichtigt. Ein unverzichtbares Hilfsmittel für jedes Unternehmen, das seine Client/Server-Umgebung konsequent pflegen und ausbauen will. (12/98)

Certification Guide Series McGraw Hill Professional

Ubuntu Server is a complete, free server operating system that just works, with the extra Ubuntu polish, innovation, and simplicity that

administrators love. Now, there ' s a definitive, authoritative guide to getting up-and-running quickly with the newest, most powerful versions of Ubuntu Server. Written by leading members of the Ubuntu community, The Official Ubuntu Server Book covers all you need to know to make the most of Ubuntu Server, whether you ' re a beginner or a battle-hardened senior system administrator. The authors cover Ubuntu Server from start to finish: installation, basic administration and monitoring, security, backup, troubleshooting, system rescue, and much more. They walk through deploying each of the most common server applications, from file and print services to state-of-the-art, cost-saving virtualization. In addition, you ' ll learn how to Make the most of Ubuntu Server ' s latest, most powerful technologies Discover easy, fast ways to perform key administration tasks Automate Ubuntu installs, no matter how many servers you ' re installing Quickly set up low-cost web servers and email Protect your server with Ubuntu ' s built-in and optional security tools Minimize downtime with fault tolerance and clustering Master proven, step-by-step server and network troubleshooting techniques Walk through rescuing an Ubuntu

server that won't boot

The Virtualization Cookbook for IBM z Systems Volume 4: Ubuntu Server 16.04 John Wiley & Sons

Up-to-date Microsoft SQL Server 2016 skills made easy! Get up and running on Microsoft SQL Server 2016 in no time with help from this thoroughly revised, practical resource. The book offers thorough coverage of SQL management and development and features full details on the newest business intelligence, reporting, and security features. Filled with new real-world examples and hands-on exercises, *Microsoft SQL Server 2016: A Beginner's Guide, Sixth Edition*, starts by explaining fundamental relational database system concepts. From there, you will learn how to write Transact-SQL statements, execute simple and complex database queries, handle system administration and security, and use the powerful analysis and BI tools. XML, spatial data, and full-text search are also covered in this step-by-step tutorial. Revised from the ground up to cover the latest version of SQL Server - Ideal both as a self-study guide and a classroom textbook - Written by a prominent professor and best-selling author

System Programmer's Guide to Z/OS System Logger IBM Redbooks

Written for those who want to start quickly with z/VM and Linux on the mainframe, this IBM Redbooks publication adopts a cookbook format that provides a concise, repeatable set of procedures for installing and configuring z/VM by using the z/VM SSI clustering feature. -- IBM InfoSphere Information Server Installation and Configuration Guide IBM Redbooks MCSA GUIDE TO MICROSOFT SQL SERVER 2012 (Exam #70-462) provides a thorough introduction to essential database administration principles and practices to prepare readers for certification and career success. Ideal for formal courses, self-study, or professional reference, this detailed text employs a lab-based

approach to help users develop the core knowledge and practical skills they need to master Microsoft SQL Server administration in an enterprise environment and pass Microsoft Certified Solutions Associate Exam 70-462. The text opens with information on the latest version of Microsoft SQL Server, offering step-by-step guidance on selecting an edition and completing initial installation and configuration. Several chapters then explore key topics such as database programming, security, performance tuning, backup and recovery, data integration, and system monitoring. Within each chapter, numerous resources and features reinforce teaching and learning, including learning objectives, summaries of key ideas, hands-on activities, discussion questions, definitions of important terms, and case studies to provide real-world context. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Ubuntu Linux Toolbox: 1000+ Commands for Power Users Walnut Creek CDROM

"The FreeBSD Handbook" is a comprehensive FreeBSD tutorial and reference. It covers installation, day-to-day use of FreeBSD, Ports collection, creating a custom kernel, security topics, the X Window System, how to use FreeBSD's Linux binary compatibility, and how to upgrade your system from source using the "make world" command.

IBM Power Systems Virtual Server Guide for IBM i IBM Redbooks

"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.

MASTER DATA MANAGEMENT AND

DATA GOVERNANCE, 2/E Addison-Wesley Professional

This book features high-quality papers presented at the International Conference on Computational Intelligence and Informatics (ICCI 2018), which was held on 28 – 29 December 2018 at the Department of Computer Science and Engineering, JNTUH College of Engineering, Hyderabad, India. The papers focus on topics such as data mining, wireless sensor networks, parallel computing, image processing, network security, MANETS, natural language processing and Internet of things.

Proceedings of the Third International Conference on Computational Intelligence and Informatics Springer Nature

"HTML5 Boilerplate Web Development" is a practical guide rich with information on getting the best out of the boilerplate.

Readers follow the expert author through a project of building a music festival site; the tutorials and lessons learned are easily applicable to any website project. This book is for all developers who are familiar with creating web projects using HTML, CSS, and JavaScript, however, no deep knowledge is necessary. Some knowledge of what a web server is and how it can be configured is good to have. You should also not be afraid to use the command line (fear not! There are links within that should make you less afraid). There is no expectation that you know HTML5 Boilerplate.

Advanced Splunk IBM Redbooks

This IBM® Redbooks® publication is a guide about the IBM PowerAI Deep Learning solution. This book provides an introduction to artificial intelligence (AI) and deep learning (DL), IBM PowerAI, and components of IBM PowerAI, deploying IBM PowerAI, guidelines for working with data and creating models, an introduction

to IBM Spectrum™ Conductor Deep Learning Impact (DLI), and case scenarios. IBM PowerAI started as a package of software distributions of many of the major DL software frameworks for model training, such as TensorFlow, Caffe, Torch, Theano, and the associated libraries, such as CUDA Deep Neural Network (cuDNN). The IBM PowerAI software is optimized for performance by using the IBM Power Systems™ servers that are integrated with NVLink. The AI stack foundation starts with servers with accelerators. Graphical processing unit (GPU) accelerators are well-suited for the compute-intensive nature of DL training, and servers with the highest CPU to GPU bandwidth, such as IBM Power Systems servers, enable the high-performance data transfer that is required for larger and more complex DL models. This publication targets technical readers, including developers, IT specialists, systems architects, brand specialist, sales team, and anyone looking for a guide about how to understand the IBM PowerAI Deep Learning architecture, framework configuration, application and workload configuration, and user infrastructure.

The Official Ubuntu Server Book

IBM.Com/Redbooks

This IBM Redbooks publication provides IMS performance monitoring and tuning information. This book differs from previous IMS performance and tuning IBM Redbooks in that there is less emphasis on the internal workings of IMS and more information about why and how certain options can affect the performance of IMS. Most of the information in the previous book IMS Version 7 Performance Monitoring and Tuning Update, SG24-6404, is still valid, and in most cases,

continues to be valid in any future versions of IMS. This book is not an update or rewrite but instead attempts to be more of a guide than a reference. As such, the team gathered experiences and data from actual production environments as well as from IBM benchmarks and solicited input from experts in as many areas as possible. You should be able to find valuable new information and perhaps validate things you might have questioned. Hardware and software characteristics are constantly changing, but hopefully the information that you find here provides a basis to help you react to change and to keep your IMS running efficiently. In this book, we introduce methods and tools for monitoring and tuning IMS systems, and in addition to IMS™ and DB system-wide performance considerations, we dedicate separate chapters for application considerations, IMS and DB2 interoperability, the Parallel Sysplex environment, and On Demand considerations.

The Virtualization Cookbook for IBM Z Systems

IBM Redbooks

Learn to install and administer Linux on an individual workstation or an entire network with this comprehensive in depth reference. You'll find everything you need to get up and running with any Linux distribution, including the latest version of Red Hat. Updated to cover the new 2.4 kernel and complete with an expanded section on advanced networking, this book shows you how to install and configure Linux, set up Internet services, handle single-host administration, and much more. Plus, you'll get eight pages of blueprints illustrating the differences between Linux and Windows NT/2000. If you are a professional administrator wanting to bring Linux into your network topology, a home user with multiple machines wanting to build a simple home network, or are migrating from Windows, then you need this book.

Linux Administration Handbook McGraw Hill Professional

IBM Blockchain Platform for Multicloud enables users to deploy the platform across public and private clouds, such as the IBM Cloud™, your own data center, and third-party public clouds, such as AWS and Microsoft Azure. It provides a blockchain console user interface that you can use to deploy and manage blockchain components on an IBM Cloud Private cluster. This IBM Redbooks™ publication discusses the major features, use case scenarios, deployment options, configuration details, performance and scalability considerations of IBM Blockchain Platform for Multicloud. We also cover step-by-step implementation details for both Secure Service Container and non-Secure Service Container environments. You also learn about the benefits of deploying and using a blockchain environment on LinuxONE. The target audience for this book is blockchain deployment specialists, developers and solution architects.

Fast and Scalable Cloud Data Management
McGraw-Hill/Osborne Media

This IBM® Redbooks® publication describes the positioning of the IBM Systems Director in the complete management range. It also compares the IBM Systems Director with the IBM Flex Systems Manager (FSM) and describes the environments for which each tool is best suited. This publication helps you plan, install, tailor, and configure the IBM Systems Director on different platforms. It contains information about required system resources and which network ports are used. It shows how to use the Workload Estimator to select the appropriate hardware for IBM Systems Director server and provides information about the IBM Systems Director Editions. Best practices are covered for the basic management tasks that are available in IBM Systems Director, including how to perform discovery;

how to collect inventory on discovered resources; how to deploy agent, driver, and firmware updates; how to manage hardware events; and other miscellaneous tasks. An overview of best practices is provided for using IBM Systems Director VMControl™. Systems Director VMControl is a cross-platform product that assists you in rapidly deploying virtual appliances to create virtual servers that are configured with the operating system and software applications that you want. It also enables you to group resources into system pools, which enable you to centrally manage and control the different workloads in your environment. The following plug-in offerings are described: Energy monitoring and management features offered by IBM Systems Director Active Energy Manager™ along with the best practice, which needs to be followed in using the IBM Systems Director Active Energy Manager. The IBM AIX® Profile Manager is a tool that can help implement and monitor the security of all AIX servers in a production environment but also implement and monitor the system compliance of those AIX servers. Best practices and the most important questions to ask before creating Workload Partition Manager (WPAR) and WPAR Manager infrastructure. In addition, how you can manage and relocate WPARs using WPAR Manager graphical interface and the command-line interface. Network Control basic functionalities and how to plan for Network Control deployments and also a number of common scenarios with best practices. The IBM Systems Director Service and Support Manager describes how to set up and how to handle serviceable events. Best practices for the Storage Monitoring and Management capabilities offered by IBM Systems Director server. This book is for IBM IT specialists and IT architects, IBM Business Partners, and clients, who are utilizing or considering implementing IBM Systems Director.

IBM PowerAI: Deep Learning Unleashed

on IBM Power Systems Servers Cengage Learning

The unprecedented scale at which data is both produced and consumed today has generated a large demand for scalable data management solutions facilitating fast access from all over the world. As one consequence, a plethora of non-relational, distributed NoSQL database systems have risen in recent years and today's data management system landscape has thus become somewhat hard to overlook. As another consequence, complex polyglot designs and elaborate schemes for data distribution and delivery have become the norm for building applications that connect users and organizations across the globe – but choosing the right combination of systems for a given use case has become increasingly difficult as well. To help practitioners stay on top of that challenge, this book presents a comprehensive overview and classification of the current system landscape in cloud data management as well as a survey of the state-of-the-art approaches for efficient data distribution and delivery to end-user devices. The topics covered thus range from NoSQL storage systems and polyglot architectures (backend) over distributed transactions and Web caching (network) to data access and rendering performance in the client (end-user). By distinguishing popular data management systems by data model, consistency guarantees, and other dimensions of interest, this book provides an abstract framework for reasoning about the overall design space and the individual positions claimed by each of the systems therein. Building on this classification, this book further presents an application-driven decision guidance tool that breaks the

process of choosing a set of viable system candidates for a given application scenario down into a straightforward decision tree.

Microsoft SQL Server 2016: A Beginner's Guide, Sixth Edition IBM.Com/Redbooks

The z/OS System Logger is a function provided by the operating system to exploiters running on z/OS. The number of exploiters of this component is increasing, as is its importance in relation to system performance and availability. This IBM Redbooks document provides system programmers with a solid understanding of the System Logger component and guidance about how it should be set up for optimum performance with each of the exploiters. System Logger is an MVS component that provides a logging facility for applications running in a single-system or multi-system sysplex. The advantage of using System Logger is that the responsibility for tasks such as saving the log data (with the requested persistence), retrieving the data (potentially from any system in the sysplex), archiving the data, and expiring the data is removed from the creator of the log records. In addition, Logger provides the ability to have a single, merged, log, containing log data from multiple instances of an application within the sysplex.

The FreeBSD Handbook IBM Redbooks

As world activities become more integrated, the rate of data growth has been increasing exponentially. And as a result of this data explosion, current data management methods can become inadequate. People are using the term big data (sometimes referred to as Big Data) to describe this latest industry trend. IBM® is preparing the next generation of technology to meet these data management challenges. To provide the capability of incorporating big data sources and analytics of these sources, IBM developed a stream-computing product that is based on the open source computing framework Apache Hadoop. Each product in the framework provides unique capabilities to the data management environment, and further enhances the value of your data warehouse investment. In this IBM Redbooks® publication, we describe the need

for big data in an organization. We then introduce IBM InfoSphere® BigInsights™ and explain how it differs from standard Hadoop. BigInsights provides a packaged Hadoop distribution, a greatly simplified installation of Hadoop and corresponding open source tools for application development, data movement, and cluster management.

BigInsights also brings more options for data security, and as a component of the IBM big data platform, it provides potential integration points with the other components of the platform. A new chapter has been added to this edition. Chapter 11 describes IBM Platform Symphony®, which is a new scheduling product that works with IBM Insights, bringing low-latency scheduling and multi-tenancy to IBM InfoSphere BigInsights. The book is designed for clients, consultants, and other technical professionals.

System Programmer's Guide to Workload Manager Packt Publishing Ltd

A bestselling Exchange Server guide, updated for the 2016 release Mastering Microsoft Exchange Server 2016 is the gold-standard reference for system administrators and first-time users alike. Fully updated to align with the latest release, this expert-led guide provides comprehensive coverage and easy-to-follow tutorials for all aspects of Exchange Server installation, configuration, and management. Whether you're migrating from an earlier version or installing Exchange Server for the first time, this book gives you quick access to the answers you need. Step-by-step instructions walk you through planning and design, installation, administration and management, maintenance, and more, so you can get up to speed quickly and get back to work. With a focus on the hands-on details, the Microsoft Certified Masters author team provides practical insight and

invaluable guidance on every aspect of Exchange Server 2016, from mastering the basics to leveraging new features. Microsoft Exchange allows access to e-mail, voicemail, and calendars at any time, from almost any device. The 2016 release is designed specifically to appeal to enterprises; if you've been tasked with the implementation, this guide has the information you need. Get up to speed with the latest changes and features Understand server configurations, requirements, installation, and migration Manage mailboxes, groups, connectivity, and the client access server Troubleshoot common issues efficiently and effectively Exchange Server 2016 shifts even more control to the user, freeing administrators to perform more critical tasks. Beefed-up architecture and more centralized functions have eased configuration and upgrades, and a robust cloud implementation is expected to draw enterprises sooner rather than later. Systems administrators need to become familiar with the latest changes, and Mastering Microsoft Exchange Server 2016 is the ultimate reference and tutorial.

Client/Server Survival Guide IBM Redbooks

This IBM® Redbooks® publication is Volume 4 of a series of books entitled The Virtualization Cookbook for IBM z Systems. The other volumes in the series are: The Virtualization Cookbook for IBM z Systems Volume 1: IBM z/VM 6.3, SG24-8147 The Virtualization Cookbook for IBM z Systems Volume 2: Red Hat Enterprise Linux 7.1 Servers, SG24-8303 The Virtualization Cookbook for IBM z Systems Volume 3: SUSE Linux Enterprise Server 12, SG24-8890 It is advised that you start with Volume 1 of this series, because the IBM z/VM® Hypervisor is the

foundation for installing Linux on IBM zTM
Systems.

HTML5 Boilerplate Web Development

IBM.Com/Redbooks

Describes the history of the Web server platform and covers downloading and compiling, configuring and running the program on UNIX, writing specialized modules, and establishing security routines.