

Practical Guide For Server 2015

IPv6 Primer
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VOIP - A practical guide for the non-telephone engineer
A Practical Guide To Cancer Systems
Biology
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Practical MongoDB
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The Times Beginner's Guide to Bridge
MCSA Windows Server 2012 R2 Configuring Advanced Services Study Guide
NGINX High Performance
Practical Guide to SAP HANA and Big Data Analytics
A Practical Guide to Joint & Soft Tissue Injections
The Ultimate Guide to Minecraft Server
SAP BI Analysis Office - a Practical Guide
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Pro SQL Server Wait Statistics
IBM i and IBM Storwize Family: A Practical Guide to Usage Scenarios
A Practical Guide to TPM 2.0
Learn to Write DAX
A Practical Approach to Cloud IaaS with IBM SoftLayer: Presentations Guide
Pro SQL Server 2019 Wait Statistics
Principles of Database Management
Blockchain: A Practical Guide to Developing Business, Law, and Technology Solutions
Practical Guide for Oracle SQL, T-SQL and MySQL
Health Informatics: Practical Guide Seventh Edition
Automated Data Collection with R
Java EE 7 Development with NetBeans 8
Visual Studio 2015 Cookbook
Ubuntu Unleashed 2015 Edition
Python Penetration Testing Essentials
Windows Server 2012 R2 Network Installation Guide
A Practical Guide to Ubuntu Linux
Health Informatics Sixth Edition Supplement: Practical Guide for Healthcare and Information

Technology ProfessionalsMCSA Windows Server 2012 R2 Administration Study Guide

IPv6 Primer

Pro SQL Server Wait Statistics is a practical guide for analyzing and troubleshooting SQL Server performance using wait statistics. Whether you are new to wait statistics, or already familiar with them, this book will help you gain a deeper understanding on how wait statistics are generated and what they can mean for your SQL Server's performance. Besides the most common wait types, Pro SQL Server Wait Statistics goes further into the more complex and performance threatening wait types. The different wait types are categorized by their area of impact, and include CPU, IO, Lock, and many more different wait type categories. Filled with clear examples, Pro SQL Server Wait Statistics helps you gain practical knowledge of why and how specific wait times increase or decrease, and how they impact your SQL Server's performance.

A Practical Guide to Computer Forensics Investigations

A one-stop practical guide on how to play and master the fascinating game of bridge with expert advice throughout from Andrew Robson, the Times bridge

correspondent and the world's most famous and successful player and teacher of bridge. Previously published in print as Collins Need to Know? Bridge. Now with additional practice deals.

VOIP - A practical guide for the non-telephone engineer

Over 50 new and improved recipes to put Visual Studio 2015 to work in your crucial development projects About This Book Get to grips with all the new Visual Studio 2015 features regardless of your preferred programming language Apply Visual Studio to all areas of development: writing, debugging, and application lifecycle maintenance Straightforward and hands-on advice for building both Windows and Android apps Who This Book Is For If you are a developer excited about the new features introduced in Visual Studio 2015, then no matter what your programming language of choice is, Visual Studio 2015 Cookbook is for you. You should have a good knowledge of working with previous versions of Visual Studio to benefit from the recipes in this book. What You Will Learn Customize the editor's new abilities to fit your development style Create apps for Windows Use Visual Studio to debug parallel and concurrent programs Integrate .NET Framework 4.6 effectively Put TypeScript to work in your web applications Develop modern C++11 with Visual Studio 2015 Protect and manage your source code with Team Foundation Server In Detail Visual Studio 2015 is the premier tool for developers targeting the Microsoft platform. Learning how to effectively use this technology

can enhance your productivity while simplifying your most common tasks, allowing you more time to focus on your project. Visual Studio 2015 is packed with improvements that increase productivity, and this book walks you through each one in succession to help you smooth your workflow and get more accomplished. From customization and the interface to code snippets and debugging, the Visual Studio upgrade expands your options — and this book is your fast-track guide to getting on board quickly. Visual Studio 2015 Cookbook will introduce you to all the new areas of Visual Studio and how they can quickly be put to use to improve your everyday development tasks. With this book, you will learn not only what VS2015 offers, but what it takes to put it to work for your projects. Style and approach This book is a practical guide to using Visual Studio 2015 and will help you become familiar with the improvements made in previous versions. Each recipe provides a hands-on approach to the new features with step-by-step instructions on how to increase your productivity.

A Practical Guide To Cancer Systems Biology

If you are a Python programmer or a security researcher who has basic knowledge of Python programming and want to learn about penetration testing with the help of Python, this book is ideal for you. Even if you are new to the field of ethical hacking, this book can help you find the vulnerabilities in your system so that you are ready to tackle any kind of attack or intrusion.

VMware vRealize Orchestrator Cookbook

The Practical, End-to-End Guide to WebSphere® Infrastructure Engineering and Technical Management Companies depend on the IBM® WebSphere platform to deliver mission-critical Web applications and services and to provide the foundation for Service Oriented Architecture (SOA). To gain maximum value from WebSphere technologies, organizations must implement comprehensive, integrated best practices for managing their WebSphere infrastructures. In this book, one of the most experienced enterprise WebSphere support managers introduces those best practices and explains exactly how to make the most of them. Drawing on his tremendous real-world expertise, Ying Ding shows how to maximize the WebSphere platform's reliability, stability, scalability, and performance for large enterprise systems. You'll find insightful discussions of each option and strategy for managing WebSphere, including practical guidance on making the right tradeoffs for your environment. Whether you're a WebSphere administrator, developer, consultant, support manager, engineer, or architect, this book brings together the information you need to run your WebSphere infrastructure with maximum effectiveness and efficiency. Coverage includes Planning, hiring, training, funding, and building a world-class WebSphere engineering support organization Implementing tight standards and consistent, comprehensive processes for managing the entire WebSphere engineering life cycle Creating optimal testing environments, administering parallel testing

pipelines, and managing testing workloads Empowering production support teams with knowledge, system privileges, and the right tools Managing production emergencies and critical situations: evaluating problem severity, mitigating customer experience, restoring service, performing post-problem resolution, and much more Maximizing the stability of large-scale interconnected WebSphere systems for composite applications Supporting WebSphere platforms that provide end-to-end SOA infrastructure Introduction 1 Chapter 1: Organization Models and Choices 7 Chapter 2: Building a World-Class WebSphere Team Through Hiring and Training 41 Chapter 3: WebSphere Operations Framework 75 Chapter 4: Engagement Challenges 93 Chapter 5: Server Build 121 Chapter 6: Functional and Integration Testing Environment Support 139 Chapter 7: Stress-Testing Environment Support 153 Chapter 8: Production Environment Support 171 Chapter 9: Managing a

Java Persistence with Mybatis 3

Run your own Minecraft server: take total control of your Minecraft experience! What's more fun than playing multiplayer Minecraft? Running your own Minecraft server. Now there's a complete, up-to-date guide to doing just that—even if you have no networking or server experience! Best-selling tech author Timothy L. Warner covers all you need to know, from the absolute basics to cutting-edge customization. You'll learn from crystal-clear, step-by-step instructions designed

for today's newest Minecraft servers. Warner guides you through prepping your computer and network...installing a basic server and powerful third-party alternatives...welcoming and managing users...protecting against griefing and other attacks...adding powerful plug-ins and mods...using easy subscription hosting services...giving your users a truly awesome game experience. This book's #1 goal is to help you have more fun with Minecraft. But you'll also master practical skills for a well-paid technology career! Gain deep multiplayer Minecraft knowledge for running your server well Configure your computer to reliably host Minecraft Control your server through the Minecraft Server console Connect users, communicate with them, and set rules they must follow Master basic networking skills for improving server uptime and performance Safeguard your server and users, and prevent griefing Simplify complicated mods with integrated modpacks and launchers Run on the Realms public cloud—let Minecraft worry about maintenance and security Evaluate and choose a third-party hosting provider Customize your spawn “lobby” to help new users find their way Support multiple worlds and teleportation Earn cash with ads, sponsorships, cosmetic upgrades, or VIP access Minecraft is a trademark of Mojang Synergies / Notch Development AB. This book is not affiliated with or sponsored by Mojang Synergies / Notch Development AB. Timothy L. Warner is the author of Hacking Raspberry Pi and The Unauthorized Guide to iPhone, iPad, and iPod Repair: A DIY Guide to Extending the Life of Your iDevices!. He is a tech professional who has helped thousands of people become more proficient with technology in business and education. He

holds the CompTIA A+ Computer Technician credential and 20 other technical certifications. As Director of Technology for a progressive high school, he created and managed a self-servicing warranty repair shop for all of its Apple hardware. Now an author/evangelist for Pluralsight, he shares Windows PowerShell scripting knowledge at 2minutepowershell.com.

Red Hat Enterprise Linux Server Cookbook

Expanded and updated for its Third Edition, *A Practical Guide to Joint & Soft Tissue Injection and Aspiration* explains the rationale and step-by-step procedures for joint and soft tissue injections and aspirations. The book enables primary care practitioner to master the effective techniques for treating a variety of common skin and musculoskeletal conditions. This edition covers many alternative techniques and several new procedures, including a whole new section on ultrasound-guided injections.

Nginx

NGINX is one of the most common free, open source web servers. Its performance-oriented architecture and small footprint makes it an ideal choice for high-traffic websites. NGINX offers great performance and optimal resource utilization to its

administrators. This practical guide walks you through how to tune one of the leading free open source web servers to attain optimal performance for high-traffic sites. It also explores ways to improve network utilization for high loads. The tour starts with an overview of the NGINX architecture. You will build and configure NGINX for optimal utilization of the hardware available. The book demonstrates various practices to improve last mile content delivery by using timeouts, caching, and compression. You'll also discover various free open source tools to test and benchmark web server performance, allowing you to verify NGINX performance at every step.

Citrix XenDesktop Implementation

SQL is a widely used to access most databases, therefore database developers and system administrators should be familiar with it. This hands-on SQL book will help beginner and intermediate users to write queries that apply complex conditions on a table. The book's unique side by side approach makes it easy for the reader to learn three major query languages in the IT industry. The author has over 20 years of experience in database design. KEY FEATURES: Contains numerous practical screenshots of Oracle SQL, T-SQL, MySQL statements and results. Shows the differences between Oracle SQL, T-SQL and MySQL side by side. Gives a real world experience for SQL developers and database administrators. Sample data is available to work on (available on our website).

WebSphere Engineering

Ubuntu Unleashed 2015 Edition is filled with unique and advanced information for everyone who wants to make the most of the Linux-based Ubuntu operating system. This new edition has been thoroughly revised and updated by a long-time Ubuntu community leader to reflect the exciting new Ubuntu 14.10 while including tons of information that will continue to apply to future editions. Former Ubuntu Forum administrator Matthew Helmke covers all you need to know about Ubuntu 14.10 installation, configuration, productivity, multimedia, development, system administration, server operations, networking, virtualization, security, DevOps, and more—including intermediate-to-advanced techniques you won't find in any other book. Helmke presents up-to-the-minute introductions to Ubuntu's key productivity and Web development tools, programming languages, hardware support, and more. You'll find new or improved coverage of Ubuntu's Unity interface, various types of servers, software repositories, database options, virtualization and cloud services, development tools, monitoring, troubleshooting, Ubuntu's push into mobile and other touch screen devices, and much more. Detailed information on how to... Configure and customize the Unity desktop Get started with multimedia and productivity applications, including LibreOffice Manage Linux services, users, and software packages Administer and run Ubuntu from the command line Automate tasks and use shell scripting Provide secure remote access and configure a secure VPN Manage kernels and modules Administer file, print, email, proxy,

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LDAP, DNS, and HTTP servers (Apache, Nginx, or alternatives) Learn about new options for managing large numbers of servers Work with databases (both SQL and the newest NoSQL alternatives) Get started with virtualization Build a private cloud with Juju and Charms Learn the basics about popular programming languages including Python, PHP, Perl, and new alternatives such as Go and Rust Learn about Ubuntu's work toward usability on touch-screen and phone devices Ubuntu 14.10 on DVD DVD includes the full Ubuntu 14.10 distribution for 64 bit computers (most desktop and notebooks systems today) as well as the complete LibreOffice office suite and hundreds of additional programs and utilities. Free Kick Start Chapter! Purchase this book and receive a free Ubuntu 15.04 Kick Start chapter after Ubuntu 15.04 is released. See inside back cover for details

OpenJDK Cookbook

The Most Complete, Easy-to-Follow Guide to Ubuntu Linux The #1 Ubuntu server resource, fully updated for Ubuntu 10.4 (Lucid Lynx)-the Long Term Support (LTS) release many companies will rely on for years! Updated JumpStarts help you set up Samba, Apache, Mail, FTP, NIS, OpenSSH, DNS, and other complex servers in minutes Hundreds of up-to-date examples, plus comprehensive indexes that deliver instant access to answers you can trust Mark Sobell's A Practical Guide to Ubuntu Linux®, Third Edition, is the most thorough and up-to-date reference to installing, configuring, and working with Ubuntu, and also offers comprehensive

coverage of servers--critical for anybody interested in unleashing the full power of Ubuntu. This edition has been fully updated for Ubuntu 10.04 (Lucid Lynx), a milestone Long Term Support (LTS) release, which Canonical will support on desktops until 2013 and on servers until 2015. Sobell walks you through every essential feature and technique, from installing Ubuntu to working with GNOME, Samba, exim4, Apache, DNS, NIS, LDAP, g ufw, firestarter, iptables, even Perl scripting. His exceptionally clear explanations demystify everything from networking to security. You'll find full chapters on running Ubuntu from the command line and desktop (GUI), administrating systems, setting up networks and Internet servers, and much more. Fully updated JumpStart sections help you get complex servers running--often in as little as five minutes. Sobell draws on his immense Linux knowledge to explain both the "hows" and the "whys" of Ubuntu. He's taught hundreds of thousands of readers and never forgets what it's like to be new to Linux. Whether you're a user, administrator, or programmer, you'll find everything you need here--now, and for many years to come. The world's most practical Ubuntu Linux book is now even more useful! This book delivers Hundreds of easy-to-use Ubuntu examples Important networking coverage, including DNS, NFS, and Cacti Coverage of crucial Ubuntu topics such as sudo and the Upstart init daemon More detailed, usable coverage of Internet server configuration, including Apache (Web) and exim4 (email) servers State-of-the-art security techniques, including up-to-date firewall setup techniques using gufw and iptables, and a full chapter on OpenSSH A complete introduction to Perl scripting for automated

administration Deeper coverage of essential admin tasks-from managing users to CUPS printing, configuring LANs to building a kernel Complete instructions on keeping Ubuntu systems up-to-date using aptitude, Synaptic, and the Software Sources window And much more including a 500+ term glossary Includes DVD! Get the full version of Lucid Lynx, the latest Ubuntu LTS release!

Practical MongoDB

Introductory, theory-practice balanced text teaching the fundamentals of databases to advanced undergraduates or graduate students in information systems or computer science.

Tableau Desktop

A Practical Guide to TPM 2.0: Using the Trusted Platform Module in the New Age of Security is a straight-forward primer for developers. It shows security and TPM concepts, demonstrating their use in real applications that the reader can try out. Simply put, this book is designed to empower and excite the programming community to go out and do cool things with the TPM. The approach is to ramp the reader up quickly and keep their interest. A Practical Guide to TPM 2.0: Using the Trusted Platform Module in the New Age of Security explains security concepts,

describes the TPM 2.0 architecture, and provides code and pseudo-code examples in parallel, from very simple concepts and code to highly complex concepts and pseudo-code. The book includes instructions for the available execution environments and real code examples to get readers up and talking to the TPM quickly. The authors then help the users expand on that with pseudo-code descriptions of useful applications using the TPM.

The Times Beginner's Guide to Bridge

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.

MCSA Windows Server 2012 R2 Configuring Advanced Services Study Guide

This book will have a practical approach, thus making it easy for the readers to understand and learn with step-by-step instructions. This book is for Java developers who would like to learn all about the MyBatis framework and are looking for a practical guide to get started. The prerequisites required for this book are basic Java and SQL skills. No prior knowledge of MyBatis is expected.

NGINX High Performance

The aim of this guide is to take the reader through a typical installation of a small Windows Server 2012 R2 network and is written for the following audience:*

- Someone who is new to Windows Server 2012 R2 and installing it for the first time*
- Someone setting up Windows Server 2012 R2 in a small business setting*
- Someone wishing to learn the basics of Windows Server 2012 R2 and who wants a succinct, practical guide based on real world scenarios and experience rather than abstract theory

The approach is very much practical and hands on and based on real world experience. It should give you a good feel for Windows Server and help you setup a network that meets the needs of a typical small organization. It assumes a reasonable working knowledge of Windows, along with the basics of

networking. With over 110 illustrations and screenshots and written in a friendly, no nonsense style, it is the ideal introduction to Windows Server.

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Practical Guide to SAP HANA and Big Data Analytics

If you are an experienced Java developer using Java 7 platform and want to get your grips on OpenJDK for Java development, this is the book for you. JDK users who wish to migrate to OpenJDK will find this book very useful.

A Practical Guide to Joint & Soft Tissue Injections

Here is a practical guide for analyzing and troubleshooting SQL Server

performance using wait statistics. Learn to identify precisely why your queries are running slowly. Measure the amount of time consumed by each bottleneck so that you can focus attention on making the largest improvements first. This edition is updated to cover analysis of wait statistics inside Query Store, the CXCONSUMER wait event, and to be current with SQL Server 2019. Whether you are new to wait statistics, or already familiar with them, this book provides a deeper understanding on how wait statistics are generated and what they can mean for your SQL Server instance's performance. Pro SQL Server 2019 Wait Statistics goes beyond the most common wait types into the more complex and performance-threatening wait types. You'll learn about per-query wait statistics and session-based wait statistics, and the types of problems they each can help you solve. The different wait types are categorized by their area of impact, including CPU, IO, Lock, and many more. The book presents clear examples to help you gain practical knowledge of why and how specific wait times increase or decrease, and how they impact your SQL Server's performance. After reading this book you won't want to be without the valuable information that wait statistics provide regarding where you should be spending your limited tuning time to maximize performance and value to your business. What You'll Learn Identify resource bottlenecks in a running SQL Server instance Locate wait statistics information inside DMVs and Query Store Analyze the root cause of sub-optimal performance Diagnose I/O contention and locking contention Benchmark SQL Server performance Lower the wait time of the most popular wait types Who This Book Is For Database administrators who want to

identify and resolve performance bottlenecks, those who want to learn more about how the SQL Server engine accesses and uses resources inside SQL Server, and administrators concerned with achieving—and knowing they have achieved—optimal performance

The Ultimate Guide to Minecraft Server

Many companies struggle with the ability to quickly and accurately create easy-to-read reports. This book systematically explains how you can leverage SAP Analysis Office (AO) to support your company's reporting needs. AO combines the experience users had with Business Explorer (BEx) reporting over the last decade, with the additional pivoting functionality offered by Microsoft, along with standard Excel reports. Combining these functionalities, SAP created a powerful tool for your daily analysis as you will discover in this book. Tight integration with the SAP NetWeaver BW environment ensures that reporting users can access and refresh data. This book dives into: - Installation and prerequisites - Key functionality and detailed explanations like Analysis Excel pivot, ribbon, and context menus - Enhanced reporting with API and Visual Basic (VBA) - A comparison of Business Explorer (BEx) and Analysis Office (AO) functionality

SAP BI Analysis Office - a Practical Guide

Tableau Desktop: A Practical Guide for Business Users has been designed to take beginner and intermediate Tableau Desktop users through the key functions and features they are most likely to need, and therefore use, when working with Tableau Desktop in their business. This book provides a step-by-step process for quickly connecting to a range of data sources, building useful calculations, creating charts, tables and other visualizations, unleashing the insights that Tableau is famous for, and then sharing these findings with others. Presented in a business context and working step-by-step through a range of case studies, this book goes beyond simply teaching the functions of Tableau Desktop. This book uses real-world business problems to give you the skills you need to put Tableau Desktop straight to work in your business.

WebSocket

Develop, validate, and deploy powerful decentralized applications using blockchain. Get the most out of cutting-edge blockchain technology using the hands-on information contained in this comprehensive resource. Written by a team of technology and legal experts, *Blockchain: A Practical Guide to Developing Business, Law, and Technology Solutions* demonstrates each topic through a start-to-finish, illustrated case study. The book includes financial, technology, governance, and legal use cases along with advantages and challenges. Validation, implementation, troubleshooting, and best practices are fully covered. You will

learn, step-by-step, how to build and maintain effective, reliable, and transparent blockchain solutions. •Understand the fundamentals of decentralized computing and blockchain•Explore business, technology, governance, and legal use cases•Review the evolving practice of law and technology as it concerns legal and governance issues arising from blockchain implementation•Write and administer performant blockchain-enabled applications•Handle cryptographic validation in private, public, and consortium blockchains•Employ blockchain in cloud deployments and Internet of Things (IoT) devices•Incorporate Web 3.0 features with Swarm, IPFS, Storj, Golem, and WHISPER•Use Solidity to build and validate fully functional distributed applications and smart contracts using Ethereum•See how blockchain is used in crypto-currency, including Bitcoin and Ethereum•Overcome technical hurdles and secure your decentralized IT platform

Pro SQL Server Wait Statistics

The use of external storage and the benefits of virtualization became a topic of discussion in the IBM® i area during the last several years. The question tends to be, what are the advantages of the use of external storage that is attached to an IBM i environment as opposed to the use of internal storage. The use of IBM PowerVM® virtualization technology to virtualize Power server processors and memory also became common in IBM i environments. However, virtualized access to external storage and network resources by using a VIO server is still not widely

used. This IBM Redbooks® publication gives a broad overview of the IBM Storwize® family products and their features and functions. It describes the setup that is required on the storage side and describes and positions the different options for attaching IBM Storwize family products to an IBM i environment. Basic setup and configuration of a VIO server specifically for the needs of an IBM i environment is also described. In addition, different configuration options for a combined setup of IBM PowerHA® SystemMirror® for i and the Storwize family products are described and positioned against each other. Detailed examples are provided for the setup process that is required for these environments. The information that is provided in this book is useful for clients, IBM Business Partners, and IBM service professionals who need to understand how to install and configure their IBM i environment with attachment to the Storwize family products.

IBM i and IBM Storwize Family: A Practical Guide to Usage Scenarios

Systems biology combines computational and experimental approaches to analyze complex biological systems and focuses on understanding functional activities from a systems-wide perspective. It provides an iterative process of experimental measurements, data analysis, and computational simulation to model biological behavior. This book provides explained protocols for high-throughput experiments

and computational analysis procedures central to cancer systems biology research and education. Readers will learn how to generate and analyze high-throughput data, therapeutic target protein structure modeling and docking simulation for drug discovery. This is the first practical guide for students and scientists who wish to become systems biologists or utilize the approach for cancer research. Contents: Introduction to Cancer Systems Biology (Hsueh-Fen Juan and Hsuan-Cheng Huang) Transcriptome Analysis: Library Construction (Hsin-Yi Chang and Hsueh-Fen Juan) Quantitative Proteome: The Isobaric Tags for Relative and Absolute Quantitation (iTRAQ) (Yi-Hsuan Wu and Hsueh-Fen Juan) Phosphoproteome: Sample Preparation (Chia-Wei Hu and Hsueh-Fen Juan) Transcriptomic Data Analysis: RNA-Seq Analysis Using Galaxy (Chia-Lang Hsu and Chantal Hoi Yin Cheung) Proteomic Data Analysis: Functional Enrichment (Hsin-Yi Chang and Hsueh-Fen Juan) Phosphorylation Data Analysis (Chia-Lang Hsu and Wei-Hsuan Wang) Pathway and Network Analysis (Chen-Tsung Huang and Hsueh-Fen Juan) Dynamic Modeling (Yu-Chao Wang) Protein Structure Modeling (Chia-Hsien Lee and Hsueh-Fen Juan) Docking Simulation (Chia-Hsien Lee and Hsueh-Fen Juan) Readership: Graduate students and researchers entering the cancer systems biology field. Keywords: Systems Biology; Transcriptomics; Proteomics; Network Biology; Dynamic Modeling; Protein Structure Modeling; Docking Simulation; Bioinformatics Review: Key Features: Written by two active researchers in the field Covers both experimental and computational areas in cancer systems biology Step-by-step instructions help beginners who are interested in creating biological data and analyzing the data by

themselves Readers will gain the skills to generate and analyze omics data and discover potential therapeutic targets and drug candidates

A Practical Guide to TPM 2.0

Complete exam coverage, hands-on practice, and interactive study tools for the MCSA: Administering Windows Server 2012 R2 exam 70-411 MCSA: Windows Server 2012 R2 Administration Study Guide: Exam 70-411 provides comprehensive preparation for exam 70-411: Administering Windows Server 2012 R2. With full coverage of all exam domains, this guide contains everything you need to know to be fully prepared on test day. Real-world scenarios illustrate the practical applications of the lessons, and hands-on exercises allow you to test yourself against everyday tasks. You get access to an interactive practice test environment that helps you avoid surprises on exam day, plus electronic flashcards and video demonstrations showing how to perform some of the more difficult tasks. Exam 70-411 is one of three exams you must pass to become a Microsoft Certified Solutions Associate (MCSA) on Windows Server 2012 R2 and a clear path to increasing your value and marketability in the workplace. The exam reflects the 2012 update to the OS, including the new enhancements to Hyper-V, Storage Spaces, and Active Directory. This guide gives you the information and practice you need to master all aspects of Windows Server 2012 R2 for test. Learn how to: Deploy, manage, and maintain servers Configure file and print servers, network

services, and more Manage and configure Active Directory and Group Policy Review real-world scenarios, video, and interactive study aids If you're looking to master Windows server administration before the exam, MCSA: Windows Server 2012 R2 Administration Study Guide is a complete and comprehensive prep tool to give you the confidence you need to succeed.

Learn to Write DAX

The bestselling MCSA study guide, with expert instruction and hands-on practice MCSA Windows Server 2012 R2 Configuring Advanced Services Study Guide provides focused preparation for exam 70-412 and is fully updated to align with the latest Windows Server 2012 R2 objectives. This comprehensive guide covers 100 percent of all exam objective domains, and includes hundreds of practice questions and answers. You get access to video demonstrations, electronic flashcards, and practice exams, and hands-on exercises based on real-world scenarios allow you to apply your skills to everyday tasks. Organized by objective, each chapter includes review questions and a list of Exam Essentials that help you judge your level of preparedness every step of the way. Exam 70-412: Configuring Advanced Windows Server 2012 Services is the third and final exam in the MCSA certification series, and was recently updated to cover Server R2. Additions include enhancements to Hyper-V, Storage Spaces, and Active Directory, so it's crucial that your study guide be up to date as well. This book covers the entire exam, including the new

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information, with expert instruction and easy-to-follow explanation that helps you to: Configure network services, high availability, information protection, and more Implement business continuity and disaster recovery solutions Get hands-on practice in real-world scenarios Pass this one last exam and you become a Microsoft Certified Solutions Associate – someone with trusted, demonstrated expertise in the server software with over 83 percent market share. Businesses rely on Windows Server, and the people who understand them are in demand. Thorough preparation is the key to exam success, and MCSA Windows Server 2012 R2 Configuring Advanced Services Study Guide provides all the information you need to know.

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

This is a practical guide for business and IT managers on implementing a Voice over IP telephone system

Pro SQL Server 2019 Wait Statistics

Health Informatics: Practical Guide focuses on the application of information technology in healthcare to improve individual and population health, education

and research. The goal of the seventh edition is to stimulate and educate healthcare and IT professionals and students about the key topics in this rapidly changing field. Dr. William Hersh from Oregon Health & Science University is the co-editor and author of multiple chapters. Topics include Health Informatics (HI) overview, electronic health records, healthcare data analytics, health information exchange, architecture of information systems, evidence-based medicine, consumer health informatics, HI ethics, quality improvement strategies and more. The 22 chapters feature learning objectives, case studies, recommended reading, future trends, key points, conclusions and over 1800 references. It is available as a paperback and an eBook. Visit the textbook companion website at <http://informaticseducation.org/> for more information.

Principles of Database Management

A Practical Guide to Computer Forensics Investigations introduces the newest technologies along with detailed information on how the evidence contained on these devices should be analyzed. Packed with practical, hands-on activities, students will learn unique subjects from chapters including Mac Forensics, Mobile Forensics, Cyberbullying, and Child Endangerment. This well-developed book will prepare students for the rapidly-growing field of computer forensics for a career with law enforcement, accounting firms, banks and credit card companies, private investigation companies, or government agencies.

Blockchain: A Practical Guide to Developing Business, Law, and Technology Solutions

Health Informatics: Practical Guide for Health and Information Technology Professionals Sixth Edition Supplement adds 3 new chapters. The supplement has learning objectives, case studies, recommended reading, future trends, key points, and references. Introduction to Data Science, provides a comprehensive overview with topics including databases, machine learning, big data and predictive analytics. Clinical Decision Support (CDS), covers current and salient aspects of CDS functionality, implementation, benefits, challenges and lessons learned. International Health Informatics, highlights the informatics initiatives of developed and developing countries on each continent. Available as a paperback and eBook. For more information about the textbook, visit www.informaticseducation.org. For instructors, an Instructor Manual, PDF version and PowerPoint slides are available under the Instructor's tab.

Practical Guide for Oracle SQL, T-SQL and MySQL

If you are a VMware administrator who is interested in automating your infrastructure, this book is for you. An understanding of basic programming concepts is advised. No previous knowledge of Orchestrator is required, although

some previous knowledge of it will allow you to get started more easily.

Health Informatics: Practical Guide Seventh Edition

Over 60 recipes to help you build, configure, and orchestrate RHEL 7 Server to make your everyday administration experience seamless About This Book Create fully unattended installations and deploy configurations without breaking a sweat Discover and kick-start the newest RHEL 7 configuration and management tools through an easy-to-follow, practical approach for a lazy system management Be guided by an experienced RHEL expert who is a certified Linux engineer with a passion for open source and open standards Who This Book Is For Red Hat Enterprise Linux Server Cookbook is for RHEL 7 system administrators and DevOps in need of a practical reference guide to troubleshoot common issues and quickly perform tasks. What You Will Learn Set up and configure RHEL 7 Server Use NetworkManager to configure all aspects of your network Manage virtual environments using libvirt Set up software repositories Secure and monitor your RHEL environment Configure SELinux, and create and apply its policies Create kickstart scripts to automatically deploy RHEL 7 systems Use Orchestration and configuration management tools to manage your environment In Detail Dominating the server market, the Red Hat Enterprise Linux operating system gives you the support you need to modernize your infrastructure and boost your organization's efficiency. Combining both stability and flexibility, RHEL helps you meet the

challenges of today and adapt to the demands of tomorrow. This practical Cookbook guide will help you get to grips with RHEL 7 Server and automating its installation. Designed to provide targeted assistance through hands-on recipe guidance, it will introduce you to everything you need to know about KVM guests and deploying multiple standardized RHEL systems effortlessly. Get practical reference advice that will make complex networks setups look like child's play, and dive into in-depth coverage of configuring a RHEL system. Also including full recipe coverage of how to set up, configuring, and troubleshoot SELinux, you'll also discover how secure your operating system, as well as how to monitor it. Style and approach This practical guide is packed full of hands-on recipes that provide quick solutions to the problems faced when building your RHEL 7 system from scratch using orchestration tools. Each topic is explained sequentially in the process of setting up a system and binding everything together.

Automated Data Collection with R

The book is aimed at Java developers who wish to develop Java EE applications while taking advantage of NetBeans functionality to automate repetitive tasks. Familiarity with NetBeans or Java EE is not assumed.

Java EE 7 Development with NetBeans 8

The "one-size-fits-all" thinking regarding traditional RDBMSs has been challenged in the last few years by the emergence of diversified NoSQL databases. More than 120 NoSQL databases are now available in the market, and the market leader by far is MongoDB. With so many companies opting for MongoDB as their NoSQL database of choice, there's a need for a practical how-to combined with expert advice for getting the most out of the software. Beginning with a short introduction to the basics of NoSQL databases, MongoDB experts Navin Sabharwal and Shankatala Gupta Edward introduce readers to MongoDB - the leading document based NoSQL database, acquainting them step by step with all aspects of MongoDB. They cover the data model, underlying architecture, how to code using Mongo Shell, and administration of the MongoDB platform, among other topics. The book also provides clear guidelines and practical examples for architecting and developing applications using the MongoDB platform and deploying them. Database developers, architects, and database administrators will find useful information covering all aspects of the MongoDB platform and how to put it to use practically. Practical Guide to MongoDB provides readers with: A solid understanding of NoSQL databases An understanding of how to get started with MongoDB Methodical coverage of the architecture, development, and administration of MongoDB A plethora of "How to's" enabling you to use the technology most efficiently to solve the problems you face Practical MongoDB is for those just starting to learning to work with NoSQL databases in general and MongoDB in particular. Skills in these areas are in demand, making this book

essential reading for those who want to work more productively or break into big data work. It will prove equally useful for entrepreneurs and others who like to work with new technologies.

Visual Studio 2015 Cookbook

Nginx is a high-performance HTTP web server and it's quickly displacing Apache as the choice for the largest websites today. Nginx is not another book filled with regurgitated documentation. Instead, it's a practical guide that will solve the most common use cases, examples and deep understanding of the parts that matter. Filled with real-world applications, use cases, and lessons learnt scaling Nginx to 50 million users, with this book, readers will get up and running quickly and learn the tools necessary to configure and deploy with Nginx.

Ubuntu Unleashed 2015 Edition

IPv6 Primer is a short introduction to the new internet protocol, written in simple language that most laymen will understand. It uses over 150 illustrations to help the reader in grasping concepts (after all, isn't a picture worth a 1000 words?). Reviews of basic computing concepts are often presented before discussion of the main concept to smooth the flow of learning.

Python Penetration Testing Essentials

Citrix XenDesktop Implementation explores the implementation of Citrix XenDesktop, a virtual desktop infrastructure solution. After introducing the desktop virtualization, the book discusses the installation of a desktop delivery controller through advanced XenDesktop Client Settings. This book briefly discusses the work of desktop delivery controller mechanisms followed by its installation process, integration process of XenDesktop with Microsoft Active Directory, and the configuration of the desktop delivery controller. It then examines the process of installing the virtual desktop onto the server infrastructure, and it follows the installation and integration onto Xen Server, Hyper-V, and VMware hypervisors. Furthermore, it discusses the advanced configuration settings. The book covers the installation of the Citrix Provisioning Server and its fundamental configuration. It also explores the configuration of Citrix XenApp for Application provisioning, the integration of virtual applications, and the implementation of virtual profiles into the virtual desktop. The book concludes by explaining the advanced XenDesktop client settings on audio, video, and peripherals. Ideal one-stop handbook for implementing a Citrix XenDesktop virtual desktop solution Includes all technical details required for you to evaluate how Citrix XenDesktop would integrate into your existing environment Covers integration with VMware ESX/vSphere, Microsoft Hyper-V including System Center Virtual Machine Manager (SCVMM) and Citrix XenServer

Windows Server 2012 R2 Network Installation Guide

Active learning lessons for mastering DAX Data analysis expressions (DAX) is the formula language of PowerPivot and this book is written to give hands-on practice to anyone who wants to become competent at writing such formulas. Sample exercises that explain each concept are provided and followed by practice questions and answers to maximize learning and experience with DAX.

A Practical Guide to Ubuntu Linux

Until recently, creating desktop-like applications in the browser meant using inefficient Ajax or Comet technologies to communicate with the server. With this practical guide, you'll learn how to use WebSocket, a protocol that enables the client and server to communicate with each other on a single connection simultaneously. No more asynchronous communication or long polling! For developers with a good grasp of JavaScript (and perhaps Node.js), author Andrew Lombardi provides useful hands-on examples throughout the book to help you get up to speed with the WebSocket API. You'll also learn how to use WebSocket with Transport Layer Security (TLS). Learn how to use WebSocket API events, messages, attributes, and methods within your client application Build bi-directional chat applications on the client and server with WebSocket as the communication layer

Create a subprotocol over WebSocket for STOMP 1.0, the Simple Text Oriented Messaging Protocol Use options for older browsers that don't natively support WebSocket Protect your WebSocket application against various attack vectors with TLS and other tools Debug applications by learning aspects of the WebSocket lifecycle

Health Informatics Sixth Edition Supplement: Practical Guide for Healthcare and Information Technology Professionals

In this book written for SAP BI, big data, and IT architects, the authors expertly provide clear recommendations for building modern analytics architectures running on SAP HANA technologies. Explore integration with big data frameworks and predictive analytics components. Obtain the tools you need to assess possible architecture scenarios and get guidelines for choosing the best option for your organization. Know your options for on-premise, in the cloud, and hybrid solutions. Readers will be guided through SAP BW/4HANA and SAP HANA native data warehouse scenarios, as well as field-tested integration options with big data platforms. Explore migration options and architecture best practices. Consider organizational and procedural changes resulting from the move to a new, up-to-date analytics architecture that supports your data-driven or data-informed organization. By using practical examples, tips, and screenshots, this book

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explores: - SAP HANA and SAP BW/4HANA architecture concepts - Predictive Analytics and Big Data component integration - Recommendations for a sustainable, future-proof analytics solutions - Organizational impact and change management

MCSA Windows Server 2012 R2 Administration Study Guide

"This book provides a unified framework of web scraping and information extraction from text data with R for the social sciences"--

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