

With 28 new chapters, the third edition of The Practice of System and Network Administration innovates yet again! Revised with thousands of updates and clarifications based on reader feedback, this new edition also incorporates DevOps strategies even for non-DevOps environments. Whether you use Linux, Unix, or Windows, this new edition describes the essential practices previously handed down only from mentor to protege. This wonderfully lucid, often funny cornucopia of information introduces beginners to advanced frameworks valuable for their entire career, yet is structured to help even experts through difficult projects. Other books tell you what commands to type. This book teaches you the cross-platform strategies that are timeless! DevOps techniques: Apply DevOps principles to enterprise IT infrastructure, even in environments without developers Game-changing strategies: New ways to deliver results faster with less stress Fleet management: A comprehensive guide to managing your fleet of desktops, laptops, servers and mobile devices Service management: How to design, launch, upgrade and migrate services Measurable improvement: Assess your operational effectiveness; a forty-page, pain-free assessment system you can start using today to raise the quality of all services Design guides: Best practices for networks, data centers, email, storage, monitoring, backups and more Management skills: Organization design, communication, negotiation, ethics, hiring and firing, and more Have you ever had any of these problems? Have you been surprised to discover your backup tapes are blank? Ever spent a year launching a new service only to be told the users hate it? Do you have more incoming support requests than you can handle? Do you spend more time fixing problems than building the next awesome thing? Have you suffered from a botched migration of thousands of users to a new service? Does your company rely on a computer that, if it died, can't be rebuilt? Is your network a fragile mess that breaks any time you try to improve it? Is there a periodic hell month that happens twice a year? Twelve times a year? Do you find out about problems when your users call you to complain? Does your corporate Change Review Board terrify you? Does each division of your company have their own broken way of doing things? Do you fear that automation will replace you, or break more than it fixes? Are you underpaid and overworked? No vague management speak or empty platitudes. This comprehensive guide provides real solutions that prevent these problems and more! Normal 0 false false false EN-US X-NONE X-NONE "

Cloud Computing: Theory and Practice provides students and IT professionals with an in-depth analysis of the cloud from the ground up. Beginning with a discussion of parallel computing and architectures and distributed systems, the book turns to contemporary cloud infrastructures, how they are being deployed at leading companies such as Amazon, Google and Apple, and how they can be applied in fields such as healthcare, banking and science. The volume also examines how to successfully deploy a cloud application across the enterprise using virtualization, resource management and the right amount of networking support, including content delivery networks and storage area networks. Developers will find a complete introduction to application development provided on a variety of platforms. Learn about recent trends in cloud computing in critical areas such as: resource management, security, energy consumption, ethics, and complex systems Get a detailed hands-on set of practical recipes that help simplify the deployment of a cloud based system for practical use of computing clouds along with an in-depth discussion of several projects Understand the evolution of cloud computing and why the cloud computing paradigm has a better chance to succeed than previous efforts in large-scale distributed computing

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After getting over the excitement of the scaling and cost-saving possibilities offered by Amazon Web Services, system administrators quickly come up against complexities and gotchas in the management of systems. How can they make sure auto-scaling kicks in when it is suppose to? How do they make sure DNS sends traffic to the right systems? How do they integrate automated management tools such as Chef and Puppet? This book is a comprehensive guide to the administrative features of AWS and how to make the most of them to minimize your administrative work. You'll learn how to configure and manage powerful AWS tools, such as CloudFormation, OpsWorks, Elastic Load Balancing, and Route 53. AWS administration is no easier than stand-alone server administration—it's just different, and very rewarding once you set up your automation right. This book shows you how. Topics include: CloudFormation Access Management and Security Groups Auto Scaling and Elastic Load Balancing Opworks Building Reusable Components Log Management DNS with Route53 Monitoring Backups

Cloud computing is the most significant technology transformation since the introduction of the Internet in the early 1990s. As more and more companies and educational institutions plan to adopt a cloud-based IT infrastructure, today's job market requires IT professionals who understand cloud computing and have hands-on experience developing cloud-based networks. Cloud Computing Networking: Theory, Practice, and Development covers the key networking and system administration concepts as well as the vital hands-on skills you need to master cloud technology. This book is designed to help you quickly get started in deploying cloud services for a real-world business. It provides detailed step-by-step instructions for creating a fully functioning cloud-based IT infrastructure using the Microsoft Azure cloud platform. In this environment, you can develop cloud services collaboratively or individually. The book enhances your hands-on skills through numerous lab activities. In these lab activities, you will learn to Implement the following services in a cloud environment: Active Directory, DHCP, DNS, and Certificate Services Configure Windows Server so it can route IP traffic Implement IP Security Policy and Windows Firewall with Advanced Security tools Create a point-to-site connection between Microsoft Azure and a local computer Create a site-to-site connection between Microsoft Azure and an on-premises network Develop a hybrid cloud that integrates Microsoft Azure with a private cloud created on a local network Cloud Computing Networking: Theory, Practice, and Development includes numerous examples, figures, and screen shots to help you understand the information. Each chapter concludes with a

summary of the major topics and a set of review questions. With this book, you will soon have the critical knowledge and skills to develop and manage cloud-based networks. In addition to capital infrastructure and consumers, digital information created by individual and corporate consumers of information technology is quickly being recognized as a key economic resource and an extremely valuable asset to a company. Organizational, Legal, and Technological Dimensions of Information System Administration recognizes the importance of information technology by addressing the most crucial issues, challenges, opportunities, and solutions related to the role and responsibility of an information system. Highlighting various aspects of the organizational and legal implications of system administration, this reference work will be useful to managers, IT professionals, and graduate students who seek to gain an understanding in this discipline.

Web 2.0 Web, Ajax, CSS, JavaScript, Flash

This book is a practical guide to personal and business negotiations. It is unique in going beyond the bargaining phase of negotiation to cover the entire process from your decision to negotiate through an evaluation of your negotiation performance. Also included are tools such as a negotiation planner, "decision trees" for calculating negotiation alternatives, psychological tools for increasing negotiation power, and tools for assessing your negotiation style.

Successfully administer Salesforce CRM and Salesforce mobile implementations using best practices and real-world scenarios
About This Book* See the latest best practice Salesforce administration principles, gain real-world experience, and understand critical design considerations to set up and customize Salesforce CRM* This is a pragmatic guide to the key functions of customizing and setting up the application for enterprise security, user and data management, process automation, analytics, and mobile features* Step-by-step navigation and descriptions through the features of Salesforce CRM platform and clear guidance on the customization and administration of the application
Who This Book Is For
This book is for administrators who want to develop and strengthen their Salesforce CRM skills in the areas of configuration and system management. Whether you are a novice or a more experienced administrator, this book will enhance your knowledge and understanding of the Salesforce CRM platform and features.
What You Will Learn*
Manage and administer user records and password policies* Configure and control the various organization-wide user interface features in Salesforce CRM* Set up and maintain a user and administer appropriate security and login access mechanisms* Apply organization security* Understand the capabilities of the Salesforce CRM sharing model* Create, delete, and customize fields, page layout, and list views for custom and standard objects* Find out how to use Visualforce coding in Salesforce CRM* Implement the mechanisms for data management* Discover the tools to import, update, transfer, and mass delete data
In Detail
Salesforce CRM's winter '17 release has tons in store for Customer Relationship Management Service designed to transform your marketing and sales. With this complete guide to implementing the service, administrators of all levels can easily acquire deep knowledge of the platform. The book begins by guiding you through setting up users and the security settings and then progresses to configuration, data management, and data analytics. We swiftly move on to how to set up organization-wide features that affect the look and feel of the application. Process automation and approval mechanisms are covered next, along with the functional areas of Sales Cloud, Service Cloud, Marketing Cloud, Salesforce Chatter, and Invitations. At the end of the book, we cover Salesforce mobile apps and mobile administration, along with Salesforce Adoption Manager and techniques to further enhance the system and improve the return on investment. Every chapter will be followed by example questions that you can expect in the certification examinations.

Cisco has announced big changes to its certification program. As of February 24, 2020, all current certifications will be retired, and Cisco will begin offering new certification programs. The good news is if you're working toward any current CCNA certification, keep going. You have until February 24, 2020 to complete your current CCNA. If you already have CCENT/ICND1 certification and would like to earn CCNA, you have until February 23, 2020 to complete your CCNA certification in the current program. Likewise, if you're thinking of completing the current CCENT/ICND1, ICND2, or CCNA Routing and Switching certification, you can still complete them between now and February 23, 2020. Increase the value of your organization's cloud network—and invest in your education
The Cisco Cloud certification validates the skill set of individuals on industry-leading cloud solutions and best practices, as well as offering job role-based curricula for all levels of an IT staff. CCNA Cloud Complete Study Guide prepares you to take two required exams: 210-451, Understanding Cisco Cloud Fundamentals, and 210-455, Introducing Cisco Cloud Administration. It covers everything you can expect to encounter on the exams and also gives you a year of FREE access to Sybex's superior online interactive learning environment and test bank, including chapter tests, practice exams, a glossary of key terms, and electronic flashcards. Cisco's CCNA Cloud certification covers cloud characteristics and models, cloud deployment, and basic knowledge of cloud compute, cloud networking, and cloud storage. It also covers cloud infrastructure administration and reporting, chargeback and billing reports, cloud provisioning, cloud systems management and monitoring, and cloud remediation. With thorough coverage, practical instruction, and expert insight, this book provides an ideal resource for Exam 210-451 and Exam 210-455 preparation. • Includes an opening list of exam topics • Provides valuable hands-on exercises • Offers practical real-world examples • Distills in-depth perspective from cloud computing experts
This book is the perfect resource for anyone seeking to earn the challenging, but rewarding CCNA Cloud certification.

Increase profitability, elevate work culture, and exceed productivity goals through DevOps practices. More than ever, the effective management of technology is critical for business competitiveness. For decades, technology leaders have struggled to balance agility, reliability, and security. The consequences of failure have never been greater—whether it's the healthcare.gov debacle, cardholder data breaches, or missing the boat with Big Data in the cloud. And yet, high performers using DevOps principles, such as Google, Amazon, Facebook, Etsy, and Netflix, are routinely and reliably deploying code into production hundreds, or even thousands, of times per day. Following in the footsteps of The Phoenix Project, The DevOps Handbook shows leaders how to replicate these incredible outcomes, by showing how to integrate Product Management, Development, QA, IT Operations, and Information Security to elevate your company and win in the marketplace.

Practice of Cloud System Administration, Volume 2, focuses on “distributed” or “cloud” computing and brings a DevOps/SRE sensibility to the practice of system administration. Unsatisfied with books that cover either design or operations in isolation, the authors created this authoritative reference centered on a comprehensive approach. Case studies and examples from Google, Etsy, Twitter, Facebook, Netflix, Amazon, and other industry giants are explained in practical ways that are useful to all enterprises. The new companion to the best-selling first volume, The Practice of System and Network Administration, Second Edition, this guide offers expert coverage of the following and many other crucial topics: Designing and building modern web and distributed systems Fundamentals of large system design Understand the new software engineering implications of cloud administration Make systems that are resilient to failure and grow and scale dynamically Implement DevOps principles and cultural changes IaaS/PaaS/SaaS and virtual platform selection Operating and running systems using the latest DevOps/SRE strategies Upgrade production systems with zero down-time What and how to automate; how to decide what not to automate On-call best practices that improve uptime Why distributed systems require fundamentally different system administration techniques Identify and resolve resiliency problems before they surprise you Assessing and evaluating your team’s operational effectiveness Manage the scientific process of continuous improvement A forty-page, pain-free assessment system you can start using today

Virtualization, cloud, containers, server automation, and software-defined networking are meant to simplify IT operations. But many organizations adopting these technologies have found that it only leads to a faster-growing sprawl of unmanageable systems. This is where infrastructure as code can help. With this practical guide, author Kief Morris of ThoughtWorks shows you how to effectively use principles, practices, and patterns pioneered through the DevOps movement to manage cloud age infrastructure. Ideal for system administrators, infrastructure engineers, team leads, and architects, this book demonstrates various tools, techniques, and patterns you can use to implement infrastructure as code. In three parts, you’ll learn about the platforms and tooling involved in creating and configuring infrastructure elements, patterns for using these tools, and practices for making infrastructure as code work in your environment. Examine the pitfalls that organizations fall into when adopting the new generation of infrastructure technologies Understand the capabilities and service models of dynamic infrastructure platforms Learn about tools that provide, provision, and configure core infrastructure resources Explore services and tools for managing a dynamic infrastructure Learn specific patterns and practices for provisioning servers, building server templates, and updating running servers

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