

Time Management For System Administrators Stop Working Late And Start Working Smart

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 -- Not only explains the new features of Windows .NET Server 2003, but also provides continued support for Windows 2000 administration.-- Covers changes in security, Active Directory, Microsoft Management Console, and integration with the .NET Framework, among many others changes.Windows .NET Server 2003 is the first Microsoft product that is innately affected by the company's recent Trustworthy Computing initiative. If this is successful, this will be the most stable, reliable, and dependable server OS that Microsoft has ever released. It will also feature an integrated environment with the .NET Framework and the Common Language Runtime. The Ultimate Windows .NET Server 2003 System Administrator's Guide is an essential resource for planning, deploying, and administering a Windows .NET enterprise system. The authors draw on years of experience designing and administering Windows NT and UNIX systems in order to guide you through the varied tasks involved in real-world system administration. There are detailed discussions of key Windows .NET Server administrative functions, and descriptions of many advanced tools and optional components. In addition the authors have included a comprehensive and convenient command reference.

In this book, you will gain extensive hands-on experience installing and configuring a firewall. You will also learn how to allow access to key Web services while maintaining your organization's security, as well as how to implement firewall-to-firewall virtual private networks (VPNs). You will learn how to build a firewall to protect your network; provide access to HTTP and FTP services on the Internet, and implement publicly accessible servers without compromising security. Furthermore, throughout the book, extensive hands-on examples provide you with practical experience in establishing security with firewalls. Examples include, but are not limited to: Installing and configuring Check Point FireWall-1; scanning to validate configuration using ISS Internet Scanner; configuring the firewall to support simple and complex Web services; setting up a packet filtering router; enhancing firewall configurations to support split-DNS; authenticating remote users; and protecting browsers and servers with a proxy-based firewall. · Install and configure proxy-based and stateful-filtering firewalls · Protect internal IP addresses with NAT and deploy a secure DNS architecture · Develop an Internet/intranet security policy to protect your organization's systems and data · Reduce your susceptibility to an attack by deploying firewalls, data encryption and decryption and other countermeasures

Time Management for System Administrators"O'Reilly Media, Inc."

UNIX and Linux System Administration Handbook

Build, automate, and manage your infrastructure on the most popular cloud platform – AWS

Time Management for System Administrators

For the Record

Jumpstart for Network and Systems Administrators

NetSuite ERP for Administrators

Application Administrators Handbook

When you visit the doctor, information about you may be recorded in an office computer. Your tests may be sent to a laboratory or consulting physician. Relevant information may be transmitted to your health insurer or pharmacy. Your data may be collected by the state government or by an organization that accredits health care or studies medical costs. By making information more readily available to those who need it, greater use of computerized health information can help improve the quality of health care and reduce its costs. Yet health care organizations must find ways to ensure that electronic health information is not improperly divulged. Patient privacy has been an issue since the oath of Hippocrates first called on physicians to "keep silence" on patient matters, and with highly sensitive data--genetic information, HIV test results, psychiatric records--entering patient records, concerns over privacy and security are growing. For the Record responds to the health care industry's need for greater guidance in protecting health information that increasingly flows through the national information infrastructure--from patient to provider, payer, analyst, employer, government agency, medical product manufacturer, and beyond. This book makes practical detailed recommendations for technical and organizational solutions and national-level initiatives. For the Record describes two major types of privacy and security concerns that stem from the availability of health information in electronic form: the increased potential for inappropriate release of information held by individual organizations (whether by those with access to computerized records or those who break into them) and systemic concerns derived from open and widespread sharing of data among various parties. The committee reports on the technological and organizational aspects of security management, including basic principles of security; the effectiveness of technologies for user authentication, access control, and encryption; obstacles and incentives in the adoption of new technologies; and mechanisms for training, monitoring, and enforcement. For the Record reviews the growing interest in electronic medical records; the increasing value of health information to providers, payers, researchers, and administrators; and the current legal and regulatory environment for protecting health data. This information is of immediate interest to policymakers, health policy researchers, patient advocates, professionals in health data management, and other stakeholders.

The book that every dean and department chair needs to survive—and thrive—in the twenty-first-century university. First released in 2006, The College Administrator's Survival Guide has served as the bible for a generation of provosts, deans, department chairs, and program directors. Shrewd administrators have returned to the guide time and again for C. K. Gunsalus's advice on handling complaints, negotiating disagreements, and dealing with difficult personalities. Now, in this revised and updated edition, Gunsalus guides rookie administrators and seasoned veterans through today's most pressing higher-education challenges. These days academic leaders must respond to heightened demands for transparency and openness. These demands are intensified by social media, which increases the visibility of university conflicts and can foster widespread misinformation about campus affairs. Meanwhile, institutions have become flatter, with administrators expected to work more closely with faculty, students, and a range of professionals even as support staffs shrink. Between the ever-replenishing inbox, the integration of often-exasperating management systems into every dimension of academic life, and the new demands of remote learning, deans and department heads are juggling more balls than ever before. Tightening budgets have already forced administrators into more difficult choices and, in the wake of COVID-19, there will be no relief from financial constraints. From #metoo to partisan battles over curricula and funding, college and university leaders need more savvy and greater sensitivity than ever. What hasn't changed are the challenges of dealing with difficult people and the importance of creating and maintaining environments in which faculty, staff, and students have the support they need to do their best work. The College Administrator's Survival Guide provides the tools to keep cool and get the job done.

"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 ğuide will improve your efficiency and help solve your knottiest problems.

While there is a widespread belief that some people are born to lead, the existence of an 'ideal manager' is almost entirely a myth. Basic skills - the ones that most employees can learn - are often more important than personality traits. In Skills of an Effective Administrator, Robert L. Katz identifies the three fundamental abilities companies should seek to develop in their managers. Find out for yourself how these vital skills can be put to work today. Since 1922, Harvard Business Review has been a leading source of breakthrough ideas in management practice. The Harvard Business Review Classics series now offers you the opportunity to make these seminal pieces a part of your permanent management library. Each highly readable volume contains a groundbreaking idea that continues to shape best practices and inspire countless managers around the world.

Securing Solaris, Mac OS X, Linux & Free BSD

The Practice of Cloud System Administration

The Practice of System and Network Administration

Successful Techniques for Educators

Stop Working Late and Start Working Smart

DevOps and SRE Practices for Web Services, Volume 2

Time Management for Unicorns

Information technology is at the center of modern life. It supports most day-to-day activities: talking on the phone, getting money from an ATM, or working in the office. Whether for work, commerce, or fun, we interact with computers, networks, and databases -- all sorts of information technology. How does it work? Certainly, technological advances helped create this world. But what keeps it running? The answer is people. These people -- computer system administrators -- are the unsung heroes of the modern age. This book, ten years in the making, is the result. It tells the story of system administration through the narratives of real system administrators. It documents dynamic systems of people and machines, of specialists working together to tame hugely complex information technology infrastructures, developing and adapting their own tools and practices over time to create productive work environments. The authors hope Taming Information Technology will lead the way to a future in which the important work of these IT workers is better appreciated, better understood, and better supported.

Learn the art of configuring, deploying, managing and securing Windows 10 for your enterprise.About This Book* Enhance your enterprise administration skills to manage Windows 10 Redstone 3* Get acquainted with configuring Azure Active Directory for enabling cloud-based services and Remote Server Admin Tools for managing Windows Server* Provide enterprise-level security with ease using the built-in data loss prevention of Windows 10Who This Book Is ForIf you are a system administrator who has been given the responsibility of administering and managing Windows 10 Redstone 3, then this book is for you. If you have deployed and managed previous versions of Windows, it would be an added advantage.What You Will Learn* Understand the remote access capabilities* Use third-party tools to deploy Windows 10* Customize image and user Interface experience* Implement assigned access rights* Configure remote administration* Manage Windows 10 security* Work with Azure AD and Intune managementIn DetailMicrosoft's launch of Windows 10 is a step toward satisfying the enterprise administrator's needs for management and user experience customization. This book provides the enterprise administrator with the knowledge needed to fully utilize the advanced feature set of Windows 10 Enterprise.This practical guide shows Windows 10 from an administrator's point of view. You'll focus on areas such as installation and configuration techniques based on your enterprise requirements, various deployment scenarios and management strategies, and setting up and managing admin and other user accounts. You'll see how to configure Remote Server Administration Tools to remotely manage Windows Server and Azure Active Directory.Lastly, you will learn modern Mobile Device Management for effective BYOD and how to enable enhanced data protection, system hardening, and enterprise-level security with the new Windows 10 in order to prevent data breaches and impede attacks.By the end of this book, you will know the key technologies and capabilities in Windows 10 and will confidently be able to manage and deploy these features in your organization.Style and approachThis step-by-step guide will show you how to configure, deploy, manage, and secure the all new Windows 10 Redstone 3 for your enterprise.

An application administrator installs, updates, optimizes, debugs and otherwise maintains computer applications for an organization. In most cases, these applications have been licensed from a third party, but they may have been developed internally. Examples of application types include enterprise resource planning (ERP), customer resource management (CRM), and point of sale (POS), legal contract management, time tracking, accounts payable/receivable, payroll, SOX compliance tracking, budgeting, forecasting and training. In many cases, the organization is absolutely dependent that these applications be kept running. The importance of application administrators and the level to which organizations depend upon them is easily overlooked. Application Administrators Handbook provides an overview of every phase of administering an application, from working with the vendor before installation, the installation process itself, importing data into the application, handling upgrades, working with application users to report problems, scheduling backups, automating tasks that need to be done on a repetitive schedule, and finally retiring an application. It provides detailed, hands-on instructions on how to perform many specific tasks that an application administrator must be able to handle. Learn how to install, administer and maintain key software applications throughout the product life cycle Get detailed, hands-on instructions on steps that should be taken before installing or upgrading an application to ensure continuous operation Identify repetitive tasks and find out how they can be automated, thereby saving valuable time Understand the latest on government mandates and regulations, such as privacy, SOX, HIPAA, PCI, and FISMA and how to fully comply It's every educator's worst fear: losing control of the classroom. Regain the focus of challenging and resistant students with this practical resource on classroom management, discipline, and motivation. The dedicated authors re-examine the root causes of student misbehavior and offer a range of easy-to-implement instructions and activities—along with real-world stories of these strate

PowerShell for Sysadmins

Volume 1: DevOps and other Best Practices for Enterprise IT

Skills of an Effective Administrator

Python for Unix and Linux System Administration

Learn how to install, maintain, and secure a NetSuite implementation, using the best tools and techniques

How Google Runs Production Systems

The Debian Administrator's Handbook

Demonstrates two fundamental components of distributed computing in a UNIX environment--the Network File System and the Network Information System--explaining how to plan, set up, protect, and debug UNIX networks.

The overwhelming majority of a software system's lifespan is spent in use, not in design or implementation. So, why does conventional wisdom insist that software engineers focus primarily on the design and development of large-scale computing systems? In this collection of essays and articles, key members of Google's Site Reliability Team explain how and why their commitment to the entire lifecycle has enabled the company to successfully build, deploy, monitor, and maintain some of the largest software systems in the world. You'll learn the principles and practices that enable Google engineers to make systems more scalable, reliable, and efficient--lessons directly applicable to your organization. This book is divided into four sections: Introduction—Learn what site reliability engineering is and why it differs from conventional IT industry practices Principles—Examine the patterns, behaviors, and areas of concern that influence the work of a site reliability engineer (SRE) Practices—Understand the theory and practice of an SRE's day-to-day work: building and operating large distributed computing systems Management—Explore Google's best practices for training, communication, and meetings that your organization can use

Debian GNU/Linux, a very popular non-commercial Linux distribution, is known for its reliability and richness. Built and maintained by an impressive network of thousands of developers throughout the world, the Debian project is cemented by its social contract. This foundation text defines the project's objective: fulfilling the needs of users with a 100% free operating system. The success of Debian and of its ecosystem of derivative distributions (with Ubuntu at the forefront) means that an increasing number of administrators are exposed to Debian's technologies. This Debian Administrator's Handbook, which has been entirely updated for Debian 8 "Jessie", builds on the success of its 6 previous editions. Accessible to all, this book teaches the essentials to anyone who wants to become an effective and independent Debian GNU/Linux administrator. It covers all the topics that a competent Linux administrator should master, from installation to updating the system, creating packages and compiling the kernel, but also monitoring, backup and migration, without forgetting advanced topics such as setting up SELinux or AppArmor to secure services, automated installations, or virtualization with Xen, KVM or LXC. This book is not only designed for professional system administrators. Anyone who uses Debian or Ubuntu on their own computer is de facto an administrator and will find tremendous value in knowing more about how their system works. Being able to understand and resolve problems will save you invaluable time. Learn more about the book on its official website: debian-handbook.info

For MIS specialists and nonspecialists alike, a comprehensive, readable, understandable guide to the concepts and applications of decision support systems.

Decision Support Systems

Workflow Automation Made Easy

Web Operations

Essential System Administration

AWS for System Administrators

Patterns for Scalable Infrastructure and Applications in a Dynamic Environment

Upgrading, Deploying, Managing, and Securing Windows 7

This introduction to networking on Linux now covers firewalls, including the use of ipchains and Netfilter, masquerading, and accounting. Other new topics in this second edition include Novell (NCP/IPX) support and INN (news administration).

Python is an ideal language for solving problems, especially in Linux and Unix networks. With this pragmatic book, administrators can review various tasks that often occur in the management of these systems, and learn how Python can provide a more efficient and less painful way to handle them. Each chapter in Python for Unix and Linux System Administration presents a particular administrative issue, such as concurrency or data backup, and presents Python solutions through hands-on examples. Once you finish this book, you'll be able to develop your own set of command-line utilities with Python to tackle a wide range of problems. Discover how this language can help you: Read text files and extract information Run tasks concurrently using the threading and forking options Get information from one process to another using network facilities Create clickable GUIs to handle large and complex utilities Monitor large clusters of machines by interacting with SNMP programmatically Master the IPython Interactive Python shell to replace or augment Bash, Korn, or Z-Shell Integrate Cloud Computing into your infrastructure, and learn to write a Google App Engine Application Solve unique data backup challenges with customized scripts Interact with MySQL, SQLite, Oracle, Postgres, Django ORM, and SQLAlchemy With this book, you'll learn how to package and deploy your Python applications and libraries, and write code that runs equally well on multiple Unix platforms. You'll also learn about several Python-related technologies that will make your life much easier.

" There ' s an incredible amount of depth and thinking in the practices described here, and it ' s impressive to see it all in one place. " —Win T Reese, coauthor of Designing Systems for Internet Commerce The 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

A guide to the most frequently used OpenSSL features and commands, written by Ivan Ristic. Comprehensive coverage of OpenSSL installation, configuration, and key and certificate management Includes SSL/TLS Deployment Best Practices, a design and deployment guide

Written by a well-known practitioner in the field and the author of SSL Labs and the SSL/TLS configuration assessment tool Available in a variety of digital formats (PDF, EPUB, Mobi/Kindle); no DRM Continuously updated OpenSSL Cookbook is built around one chapter from

Bulletproof SSL/TLS and PKI, a larger work that provides complete coverage of SSL/TLS and PKI topics. To download your free copy in various formats, visit feistyduck.com/books/openssl-cookbook/

Power Struggles

Time in Organizational Research

Taming Information Technology

The Ultimate Windows Server 2003 System Administrator's Guide

Concepts and Resources for Managers

Managing NFS and NIS

Site Reliability Engineering

Time is a precious commodity, especially if you're a system administrator. No other job pulls people in so many directions at once. Users interrupt you constantly with requests, preventing you from getting anything done. Your managers want you to get long-term projects done but flood you with requests for quick-fixes that prevent you from ever getting to those long-term projects. But the pressure is on you to produce and it only increases with time. What do you do? The answer is time management. And not just any time management theory--you want Time Management for System Administrators, to be exact. With keen insights into the challenges you face as a sys admin, bestselling author Thomas Limoncelli has put together a collection of tips and techniques that will help you cultivate the time management skills you need to flourish as a system administrator. Time Management for System Administrators understands that an Sys Admin often has competing goals: the concurrent responsibilities of working on large projects and taking care of a user's needs. That's why it focuses on strategies that help you work through daily tasks, yet still allow you to handle critical situations that inevitably arise. Among other skills, you'll learn how to: Manage interruptions Eliminate timewasters Keep an effective calendar Develop routines for things that occur regularly Use your brain only for what you're currently working on Prioritize based on customer expectations Document and automate processes for faster execution What's more, the book doesn't confine itself to just the work environment, either. It also offers tips on how to apply these time management tools to your social life. It's the first step to a more productive, happier you.

Learn steps and tasks to help a NetSuite administrator perform both his daily and monthly tasks efficiently. Advance his expertise to become NetSuite leader without having to spend time and money on corporate trainings. Key Features Understand the business considerations and implementation of the NetSuite ERP Gain a deep knowledge of enterprise security, data management, process automation, and analytics Learn techniques to sail through system maintenance while ensuring accuracy and to practically troubleshoot issues Book Description NetSuite ERP is a complete, scalable cloud ERP solution targeted at fast-growing, mid-sized businesses and large enterprises. It's the smartly executed combination of financial management operations and built-in business intelligence, which enables companies to make data-driven and well-informed decisions. This book will help administrators become expert enough to be seen as the NetSuite leader at their company and to be able to advise department heads on specific processes, and strategic decisions. We start with an overview of ERP and NetSuite ERP, before going on to explain the built-in features to show the breadth of NetSuite ERP's product and its ease of use. We then discuss business aspects, focusing on the most important processes in NetSuite. Then you'll understand the implementation aspects that are generic enough to cover all the features. The focus then shifts to specific skills that you will need to administer for any system, such as roles, permissions, customization, and data imports. Moving on, you'll learn how to centralize the creation of search templates and give users the tools to pivot the data and expose it to the user in useful ways, such as on the dashboard. The book ends with checklists providing actionable steps that you as an administrator can take to do your job and support the application through new releases and troubleshooting problems. What you will learn Provide executives with meaningful insights into the business A Framework to streamline the implementation of new and existing features Leverage built-in tools to optimize your efficiency and effectiveness Test configuration to check the implementation of role-specific permissions Understand how to optimize the amount of data to be shared with users Import data like new leads and employ current data like pricing updates Perform on-going maintenance and troubleshoot issues Who this book is for This book is for administrators, consultants, and Project Managers who would like to improve their skills in the areas of configuration and system management. Basic experience implementing NetSuite is assumed.

Cloud native infrastructure is more than servers, network, and storage in the cloud--it is as much about operational hygiene as it is about elasticity and scalability. In this book, you'll learn practices, patterns, and requirements for creating infrastructure that meets your needs, capable of managing the full life cycle of cloud native applications. Justin Garrison and Kris Nova reveal hard-earned lessons on architecting infrastructure from companies such as Google, Amazon, and Netflix. They draw inspiration from projects adopted by the Cloud Native Computing Foundation (CNCF), and provide examples of patterns seen in existing tools such as Kubernetes. With this book, you will: Understand why cloud native infrastructure is necessary to effectively run cloud native applications Use guidelines to decide when--and if--your business should adopt cloud native practices Learn patterns for deploying and managing infrastructure and applications Design tests to prove that your infrastructure works as intended, even in a variety of edge cases Learn how to secure infrastructure with policy as code Time is one of the most precious commodities, especially if you're the system administrator of a 'unicorn company' (a privately held startup company valued at over \$1 billion). In the 2018 year alone, more than 50 startups around the world attained unicorn status with a valuation of \$1 billion or more, according to data from venture capital trackers like PitchBook. In this book you will find time and resource management lessons from senior system administrator Giulio D'Agostino; learn from more than 20 years experience in project management working for companies like Google, Apple, Salesforce.com and Hewlett Packard.

Essential SNMP

The College Administrator's Survival Guide

Professional Edition

Lessons from Studies of System Administrators

Installing, Updating and Troubleshooting Software

Protecting Electronic Health Information

Essential System Administration, 3rd Edition is the definitive guide for Unix system administration, covering all the fundamental and essential tasks required to run such divergent Unix systems as AIX, FreeBSD, HP-UX, Linux, Solaris, Tru64 and more. *Essential System Administration* provides a clear, concise, practical guide to the real-world issues that anyone responsible for a Unix system faces daily. The new edition of this indispensable reference has been fully updated for all the latest operating systems. Even more importantly, it has been extensively revised and expanded to consider the current system administrative topics that administrators need most. *Essential System Administration, 3rd Edition* covers: DHCP, USB devices, the latest automation tools, SNMP and network management, LDAP, PAM, and recent security tools and techniques. *Essential System Administration* is comprehensive. But what has made this book the guide system administrators turn to over and over again is not just the sheer volume of valuable information it provides, but the clear, useful way the information is presented. It discusses the underlying higher-level concepts, but it also provides the details of the procedures needed to carry them out. It is not organized around the features of the Unix operating system, but around the various facets of a system administrator's job. It describes all the usual administrative tools that Unix provides, but it also shows how to use them intelligently and efficiently. Whether you use a standalone Unix system, routinely provide administrative support for a larger shared system, or just want an understanding of basic administrative functions, *Essential System Administration* is for you. This comprehensive and invaluable book combines the author's years of practical experience with technical expertise to help you manage Unix systems as productively and painlessly as possible.

A web application involves many specialists, but it takes people in web ops to ensure that everything works together throughout an application's lifetime. It's the expertise you need when your start-up gets an unexpected spike in web traffic, or when a new feature causes your mature application to fail. In this collection of essays and interviews, web veterans such as Theo Schlossnagle, Baron Schwartz, and Alistair Croll offer insights into this evolving field. You'll learn stories from the trenches--from builders of some of the biggest sites on the Web--on what's necessary to help a site thrive. Learn the skills needed in web operations, and why they're gained through experience rather than schooling. Understand why it's important to gather metrics from both your application and infrastructure. Consider common approaches to database architectures and the pitfalls that come with increasing scale. Learn how to handle the human side of outages and degradations. Find out how one company avoided disaster after a huge traffic deluge. Discover what went wrong after a problem occurs, and how to prevent it from happening again. Contributors include: John Allspaw Heather Champ Michael Christian Richard Cook Alistair Croll Patrick Debois Eric Florenzano Paul Hammond Justin Huff Adam Jacob Jacob Loomis Matt Massie Brian Moon Anoop Nagwani Sean Power Eric Ries Theo Schlossnagle Baron Schwartz Andrew Shafer

Data is at the center of many challenges in system design today. Difficult issues need to be figured out, such as scalability, consistency, reliability, efficiency, and maintainability. In addition, we have an overwhelming variety of tools, including relational databases, NoSQL datastores, stream or batch processors, and message brokers. What are the right choices for your application? How do you make sense of all these buzzwords? In this practical and comprehensive guide, author Martin Kleppmann helps you navigate this diverse landscape by examining the pros and cons of various technologies for processing and storing data. Software keeps changing, but the fundamental principles remain the same. With this book, software engineers and architects will learn how to apply those ideas in practice, and how to make full use of data in modern applications. Peer under the hood of the systems you already use, and learn how to use and operate them more effectively. Make informed decisions by identifying the strengths and weaknesses of different tools. Navigate the trade-offs around consistency, scalability, fault tolerance, and complexity. Understand the distributed systems research upon which modern databases are built. Peek behind the scenes of major online services, and learn from their architectures.

The Model Rules of Professional Conduct provides an up-to-date resource for information on legal ethics. Federal, state and local courts in all jurisdictions look to the Rules for guidance in solving lawyer malpractice cases, disciplinary actions, disqualification issues, sanctions questions and much more. In this volume, black-letter Rules of Professional Conduct are followed by numbered Comments that explain each Rule's purpose and provide suggestions for its practical application. The Rules will help you identify proper conduct in a variety of given situations, review those instances where discretionary action is possible, and define the nature of the relationship between you and your clients, colleagues and the courts.

Managing Servers in the Cloud

Model Rules of Professional Conduct

Revised Edition

Designing Data-Intensive Applications

SCO Companion

Linux Network Administrator's Guide

Network Administrators Survival Guide

Today there is widespread awareness of the fact that time has been under-investigated in organizational studies. This book addresses the need to bridge the gap between the predominantly "timeless" theories and models that scholars have produced and the daily experiences of employees and managers, in which time is salient and extremely important. These chapters offer a broad range of concepts, models, and methods that are tailored to this purpose. The first part of the book is devoted to the way in which people in organizations manage time, summarizing research findings, presenting novel ideas on a broad range of issues and examining issues such as whether time can be managed, how people are affected by deadlines and how do strategic changes in organizations affect individuals' careers and sense of identity. The second part is about time as embedded in collective behaviours and experiences, and in temporal regimes linked to organizational structures. It discusses ways to study such collective patterns and their relationships to management practices, and addresses topics such as sensemaking of dynamic events, rhythmic patterns and their impact on organizational effectiveness, time in industrial relations, and power and temporal hegemony. A third part with a single concluding chapter looks at possibilities for integrating the various approaches and provides suggestions for future research. This book adopts a pluralistic approach, arguing against timeless conceptions in organizational theory and behaviour and instead emphasising the importance of temporal analysis.

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 protégé. 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!

Learn to use PowerShell, Microsoft's scripting language, to automate real-world tasks that IT professionals and system administrators deal with every day. Save Time. Automate. PowerShell® is both a scripting language and an administrative shell that lets you control and automate nearly every aspect of IT. In PowerShell for Sysadmins, five-time Microsoft® MVP "Adam the Automator" Bertram shows you how to use PowerShell to manage and automate your desktop and server environments so that you can head out for an early lunch. You'll learn how to: • Combine commands, control flow, handle errors, write scripts, run scripts remotely, and test scripts with the PowerShell testing framework, Pester • Parse structured data like XML and JSON, work with common domains (like Active Directory, Azure, and Amazon Web Services), and create a real-world server inventory script • Design and build a PowerShell module to demonstrate PowerShell isn't just about ad-hoc scripts • Use PowerShell to create a hands-off, completely automated Windows deployment • Build an entire Active Directory forest from nothing but a Hyper-V host and a few ISO files • Create endless Web and SQL servers with just a few lines of code! Real-world examples throughout help bridge the gap between theory and actual system, and the author's anecdotes keep things lively. Stop with the expensive software and fancy consultants. Learn how to manage your own environment with PowerShell for Sysadmins and make everyone happy. Covers Windows PowerShell v5.1. Microsoft Windows 7 Administrators Reference covers various aspects of Windows 7 systems, including its general information as well as installation and upgrades. This reference explains how to deploy, use, and manage the operating system. The book is divided into 10 chapters. Chapter 1 introduces the Windows 7 and the rationale of releasing this operating system. The next chapter discusses how an administrator can install and upgrade the old operating system from Windows Vista to Windows 7. The deployment of Windows 7 in an organization or other environment is then explained. It also provides the information needed to deploy Windows 7 easily and quickly for both the administrator and end users. Furthermore, the book provides the features of Windows 7 and the ways to manage it properly. The remaining chapters discuss how to secure Windows 7, as well as how to troubleshoot it. This book will serve as a reference and guide for those who want to utilize Windows 7. Covers Powershell V2, Bitlocker, and mobility issues. Includes comprehensive details for configuration, deployment, and troubleshooting. Consists of content written for system administrators by system administrators.

OpenSSL Cookbook

The Big Ideas Behind Reliable, Scalable, and Maintainable Systems

A Guide to the Most Frequently Used OpenSSL Features and Commands

Microsoft Windows 7 Administrator's Reference

Keeping the Data On Time

Firewalls

Tools and Techniques for Linux and Unix Administration

The all-in-one practical guide to supporting Cisco networks using freeware tools.

When Practical Unix Security was first published more than a decade ago, it became an instant classic. Crammed with information about host security, it saved many a Unix system administrator from disaster. The second edition added much-needed Internet security coverage and doubled the size of the original volume. The third edition is a comprehensive update of this very popular book - a companion for the Unix/Linux system administrator who needs to secure his or her organization's system, networks, and web presence in an increasingly hostile world. Focusing on the four most popular Unix variants today--Solaris, Mac OS X, Linux, and FreeBSD--this book contains new information on PAM (Pluggable Authentication Modules), LDAP, SMB/Samba, anti-theft technologies, embedded systems, wireless and laptop issues, forensics, intrusion detection, chroot jails, telephone scanners and firewalls, virtual and cryptographic filesystems, WebNFS, kernel security levels, outsourcing, legal issues, new Internet protocols and cryptographic algorithms, and much more. Practical Unix & Internet Security consists of six parts: Computer security basics: introduction to security problems and solutions, Unix history and lineage, and the importance of security policies as a basic element of system security. Security building blocks: fundamentals of Unix passwords, users, groups, the Unix filesystem, cryptography, physical security, and personnel security. Network security: a detailed look at modem and dialup security, TCP/IP, securing individual network services, Sun's RPC, various host and network authentication systems

(e.g., NIS, NIS+, and Kerberos), NFS and other filesystems, and the importance of secure programming. Secure operations: keeping up to date in today's changing security world, backups, defending against attacks, performing integrity management, and auditing. Handling security incidents: discovering a break-in, dealing with programmed threats and denial of service attacks, and legal aspects of computer security. Appendixes: a comprehensive security checklist and a detailed bibliography of paper and electronic references for further reading and research. Packed with 1000 pages of helpful text, scripts, checklists, tips, and warnings, this third edition remains the definitive reference for Unix administrators and anyone who cares about protecting their systems and data from today's threats. Take your AWS SysOps skills to the next level by learning infrastructure automation techniques using CloudFormation, Terraform, and Boto3 Key FeaturesExplore AWS automation using CloudFormation, Terraform, and Boto3Leverage AWS to make your infrastructure flexible and highly availableDiscover various AWS features for building a secure and reliable environment to host your applicationBook Description Amazon Web Services (AWS) is one of the most popular and efficient cloud platforms for administering and deploying your applications to make them resilient and robust. AWS for System Administrators will help you to learn several advanced cloud administration concepts for deploying, managing, and operating highly available systems on AWS. Starting with the fundamentals of identity and access management (IAM) for securing your environment, this book will gradually take you through AWS networking and monitoring tools. As you make your way through the chapters, you'll get to grips with VPC, EC2, load balancer, Auto Scaling, RDS database, and data management. The book will also show you how to initiate AWS automated backups and store and keep track of log files. Later, you'll work with AWS APIs and understand how to use them along with CloudFormation, Python Boto3 Script, and Terraform to automate infrastructure. By the end of this AWS book, you'll be ready to build your two-tier startup with all the necessary infrastructure, monitoring, and logging components in place. What you will learnAdopt a security-first approach by giving users minimum access using IAM policiesBuild your first Amazon Elastic Compute Cloud (EC2) instance using the AWS CLI, Boto3, and TerraformSet up your datacenter in AWS Cloud using VPCScale your application based on demand using Auto ScalingMonitor services using CloudWatch and SNSWork with centralized logs for analysis (CloudWatch Logs)Back up your data using Amazon Simple Storage Service (Amazon S3), Data Lifecycle Manager, and AWS BackupWho this book is for This Amazon Web Services book is for system administrators and solution architects who want to build highly available and flexible AWS Cloud platforms for their applications. Software engineers and programmers looking to deploy their applications to AWS Cloud will also find this book useful. Basic knowledge of Linux and AWS is necessary to get started. Provides advice for system administrators on time management, covering such topics as keeping an effective calendar, eliminating time wasters, setting priorities, automating processes, and managing interruptions.

Occupational Outlook Handbook
Windows 10 for Enterprise Administrators
Introduction to Key Information Security Concepts
Infrastructure as Code
Time and Resource Management For System Administrators
Cloud Native Infrastructure
Practical UNIX and Internet Security

Security for Microsoft Windows System is a handy guide that features security information for Windows beginners and professional admin. It provides information on security basics and tools for advanced protection against network failures and attacks. The text is divided into six chapters that cover details about network attacks, system failures, audits, and social networking. The book introduces general security concepts including the principles of information security, standards, regulation, and compliance; authentication, authorization, and accounting; and access control. It also covers the cryptography and the principles of network, system, and organizational and operational security, including risk analysis and disaster recovery. The last part of the book presents assessments and audits of information security, which involve methods of testing, monitoring, logging, and auditing. This handy guide offers IT practitioners, systems and network administrators, and graduate and undergraduate students in information technology the details they need about security concepts and issues. Non-experts or beginners in Windows systems security will also find this book helpful. Take all the confusion out of security including: network attacks, system failures, social networking, and even audits Learn how to apply and implement general security concepts Identify and solve situations within your network and organization

Simple Network Management Protocol (SNMP) provides a "simple" set of operations that allows you to more easily monitor and manage network devices like routers, switches, servers, printers, and more. The information you can monitor with SNMP is wide-ranging—from standard items, like the amount of traffic flowing into an interface, to far more esoteric items, like the air temperature inside a router. In spite of its name, though, SNMP is not especially simple to learn. O'Reilly has answered the call for help with a practical introduction that shows how to install, configure, and manage SNMP. Written for network and system administrators, the book introduces the basics of SNMP and then offers a technical background on how to use it effectively. **Essential SNMP** explores both commercial and open source packages, and elements like OIDs, MIBs, community strings, and traps are covered in depth. The book contains five new chapters and various updates throughout. Other new topics include: Expanded coverage of SNMPv1, SNMPv2, and SNMPv3 Expanded coverage of SNMPc The concepts behind network management and change management RRDTOol and Cricket The use of scripts for a variety of tasks How Java can be used to create SNMP applications Net-SNMP's Perl module The bulk of the book is devoted to discussing, with real examples, how to use SNMP for system and network administration tasks. Administrators will come away with ideas for writing scripts to help them manage their networks, create managed objects, and extend the operation of SNMP agents. Once demystified, SNMP is much more accessible. If you're looking for a way to more easily manage your network, look no further than **Essential SNMP, 2nd Edition**.

Security for Microsoft Windows System Administrators
Debian Jessie From Discovery To Mastery
Documentation Writing for System Administrators