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Windows Server für Dummies - Thomas Bar 2021-12-22

Ganz gleich, ob Sie Einsteiger oder Umsteiger sind: Dieses Buch verschafft Ihnen einen guten Einblick in Windows Server und die Möglichkeiten, die Ihnen das komfortable und flexible Serverbetriebssystem von Microsoft gibt. Das Buch zeigt Ihnen, wie Sie das Betriebssystem installieren, aktivieren und einrichten, wie Sie Rollen und Features anlegen und verwalten, wie Sie eine Domäne erstellen und betreiben, wie Sie DNS und DHCP einrichten, wie Sie mit Hyper-V virtualisieren und vor allem wie Sie Ihre Daten sichern und die Prozesse überwachen. Willkommen in der Windows-Server-Welt!

ICCWS 2019 14th International Conference on Cyber Warfare and Security - Noëlle van der Waag-Cowling 2019-02-28

CompTIA CySA+ Study Guide Exam CS0-002 - Mike Chapple 2020-07-15

This updated study guide by two security experts will help you prepare for the CompTIA CySA+ certification exam. Position yourself for success with coverage of crucial security topics! Where can you find 100% coverage of the revised CompTIA Cybersecurity Analyst+ (CySA+) exam objectives? It's all in the CompTIA CySA+ Study Guide Exam CS0-002, Second Edition! This guide provides clear and concise information on crucial security topics. You'll be able to gain insight from practical, real-

world examples, plus chapter reviews and exam highlights. Turn to this comprehensive resource to gain authoritative coverage of a range of security subject areas. Review threat and vulnerability management topics Expand your knowledge of software and systems security Gain greater understanding of security operations and monitoring Study incident response information Get guidance on compliance and assessment The CompTIA CySA+ Study Guide, Second Edition connects you to useful study tools that help you prepare for the exam. Gain confidence by using its interactive online test bank with hundreds of bonus practice questions, electronic flashcards, and a searchable glossary of key cybersecurity terms. You also get access to hands-on labs and have the opportunity to create a cybersecurity toolkit. Leading security experts, Mike Chapple and David Seidl, wrote this valuable guide to help you prepare to be CompTIA Security+ certified. If you're an IT professional who has earned your CompTIA Security+ certification, success on the CySA+ (Cybersecurity Analyst) exam stands as an impressive addition to your professional credentials. Preparing and taking the CS0-002exam can also help you plan for advanced certifications, such as the CompTIA Advanced Security Practitioner (CASP+).

Systems and Network Infrastructure Integration - Saida Helali 2020-10-27

LPIC-2: Linux Professional Institute Certification Study Guide -

Christine Bresnahan 2016-09-28

Full coverage of the latest LPI-level 2 exams, with bonus online test bank LPIC-2 is the one-stop preparation resource for the Linux Professional Institute's Advanced Level certification exam. With 100 percent coverage of all exam objectives, this book provides clear and concise coverage of the Linux administration topics you'll need to know for exams 201 and 202. Practical examples highlight the real-world applications of important concepts, and together, the author team provides insights based on almost fifty years in the IT industry. This brand new second edition has been completely revamped to align with the latest versions of the exams, with authoritative coverage of the Linux kernel, system startup, advanced storage, network configuration, system maintenance, web services, security, troubleshooting, and more. You also get access to online learning tools including electronic flashcards, chapter tests, practice exams, and a glossary of critical terms to help you solidify your understanding of upper-level Linux administration topics. The LPI-level 2 certification confirms your advanced Linux skill set, and the demand for qualified professionals continues to grow. This book gives you the conceptual guidance and hands-on practice you need to pass the exam with flying colors. Understand all of the material for both LPIC-2 exams Gain insight into real-world applications Test your knowledge with chapter tests and practice exams Access online study aids for more thorough preparation Organizations are flocking to the open-source Linux as an excellent, low-cost, secure alternative to expensive operating systems like Microsoft Windows. As the Linux market share continues to climb, organizations are scrambling to find network and server administrators with expert Linux knowledge and highly practical skills. The LPI-level 2 certification makes you the professional they need, and LPIC-2 is your ideal guide to getting there.

Pro Nagios 2.0 - James Turnbull 2006-11-21

Real-world configurations and supporting materials enable you to deploy Nagios and integrate other tools on a step-by-step basis Simplifies deployment and installation by providing examples of real-world

monitoring situations and explains how to configure, architect, and deploy EM solutions to address these situations Shows how to create your own Nagios plug-ins, to monitor devices for which Nagios doesn't provide plug-ins

LPIC-2 Cert Guide - William Rothwell 2016-05-23

LPIC-2 Cert Guide (201-400 and 202-400 Exams) is a best-of-breed exam study guide. Expert Linux/Unix instructor William "Bo" Rothwell shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The book presents you with an organized test preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. You get access to the powerful Pearson IT Certification Practice Test engine, complete with hundreds of exam-realistic questions. The assessment engine offers you a wealth of customization options and reporting features, laying out a complete assessment of your knowledge to help you focus your study where it is needed most. Well-regarded for its level of detail, assessment features, and challenging review questions and exercises, this study guide helps you master the concepts and techniques that will allow you to succeed on the exam the first time. The study guide helps you master all the topics on both LPIC-2 exams, including: Capacity planning Managing the kernel Managing system startup Managing filesystems and devices Administering advanced storage devices Configuring the network Performing system maintenance Administering Domain Name Server (DNS) Configuring web services Administering file sharing Managing network clients Administering e-mail services Administering system security Learn, prepare, and practice for LPIC-2 201-400 and 202-400 exam success with this Cert Guide from Pearson IT Certification, a leader in IT Certification. Master LPIC-2 Exam 201-400 and 202-400 exam

topics Assess your knowledge with chapter-ending quizzes Review key concepts with exam preparation tasks Practice with realistic exam questions

Building Big Data Applications - Krish Krishnan 2019-11-15

Building Big Data Applications helps data managers and their organizations make the most of unstructured data with an existing data warehouse. It provides readers with what they need to know to make sense of how Big Data fits into the world of Data Warehousing. Readers will learn about infrastructure options and integration and come away with a solid understanding on how to leverage various architectures for integration. The book includes a wide range of use cases that will help data managers visualize reference architectures in the context of specific industries (healthcare, big oil, transportation, software, etc.). Explores various ways to leverage Big Data by effectively integrating it into the data warehouse Includes real-world case studies which clearly demonstrate Big Data technologies Provides insights on how to optimize current data warehouse infrastructure and integrate newer infrastructure matching data processing workloads and requirements

IBM Open Platform for DBaaS on IBM Power Systems - Dino Quintero 2018-03-26

This IBM Redbooks publication describes how to implement an Open Platform for Database as a Service (DBaaS) on IBM Power Systems environment for Linux, and demonstrate the open source tools, optimization and best practices guidelines for it. Open Platform for DBaaS on Power Systems is an on-demand, secure, and scalable self-service database platform that automates provisioning and administration of databases to support new business applications and information insights. This publication addresses topics to help sellers, architects, brand specialists, distributors, resellers and anyone offering secure and scalable Open Platform for DBaaS on Power Systems solution with APIs that are consistent across heterogeneous open database types. An Open Platform for DBaaS on Power Systems solution has the capability to accelerate business success by providing an infrastructure, and tools leveraging Open Source and OpenStack software engineered to

optimize hardware and software between workloads and resources so you have a responsive, and an adaptive environment. Moreover, this publication provides documentation to transfer the how-to-skills for cloud oriented operational management of Open Platform for DBaaS on Power Systems service and underlying infrastructure to the technical teams. Open Platform for DBaaS on Power Systems mission is to provide scalable and reliable cloud database as a service provisioning functionality for both relational and non-relational database engines, and to continue to improve its fully-featured and extensible open source framework. For example, Trove is a database as a service for OpenStack. It is designed to run entirely on OpenStack, with the goal of allowing users to quickly and easily utilize the features of a relational or non-relational database without the burden of handling complex administrative tasks. Cloud users and database administrators can provision and manage multiple database instances as needed. Initially, the service focuses on providing resource isolation at high performance while automating complex administrative tasks including deployment, configuration, patching, backups, restores, and monitoring. In the context of this publication, the monitoring tool implemented is Nagios Core which is an open source monitoring tool. Hence, when you see a reference of Nagios in this book, Nagios Core is the open source monitoring solution implemented. Also note that the implementation of Open Platform for DBaaS on IBM Power Systems is based on open source solutions. This book is targeted toward sellers, architects, brand specialists, distributors, resellers and anyone developing and implementing Open Platform for DBaaS on Power Systems solutions.

Nagios, 2nd Edition - Wolfgang Barth 2008-10-15

Good system administrators recognize problems long before anyone asks, "Hey, is the Internet down?" Nagios, an open source system and network monitoring tool, has emerged as the most popular solution for sys admins in organizations of all sizes. It's robust but also complex, and Nagios: System and Network Monitoring, 2nd Edition, updated to address Nagios 3.0, will help you take full advantage of this program. Nagios, which runs on Linux and most *nix variants, can be configured to

continuously monitor network services such as SMTP, POP3, HTTP, NNTP, SSH, and FTP. It can also supervise host resources (processor load, disk and memory usage, running processes, log files, and so on) and environmental factors, such as temperature and humidity. This book is your guide to getting the most out of this versatile and powerful monitoring tool. Inside Nagios, you'll learn how to: -Install and configure the Nagios core, all standard plugins, and selected third-party plugins -Configure the notification system to alert you of ongoing problems—and to alarm others in case of a serious crisis -Program event handlers to take automatic action when trouble occurs -Write Perl plugins to customize Nagios for your unique needs -Quickly understand your Nagios data using graphing and visualization tools -Monitor Windows servers, SAP systems, and Oracle databases The book also includes a chapter that highlights the differences between Nagios versions 2 and 3 and gives practical migration and compatibility tips. Nagios: System and Network Monitoring, 2nd Edition is a great starting point for configuring and using Nagios in your own environment.

The system of monitoring the utilities status - Nagios - Noite.pl
Is central monitoring necessary? Nagios is a popular system daemon working in the Linux system used for monitoring the network, network devices, applications and servers. The micro-course describes how to install and configure this program in the Linux system. Keywords: Nagios, services monitoring , hosts monitoring , ping

Nagios Core Administration Cookbook - Tom Ryder 2016-02-29
Over 90 hands-on recipes that will employ Nagios Core as the anchor of monitoring on your network About This Book Master the advanced configuration techniques of Nagios Core to model your network better by improving hosts, services, and contacts Filter and improve the notifications that Nagios Core sends in response to failed checks, which can greatly assist you when diagnosing problems Pull Nagios Core's data into a database to write clever custom reports of your own devise Who This Book Is For If you are a network or system administrator and are looking for instructions and examples on working with Nagios Core, then this book is for you. Some basic shell command-line experience is

required, and some knowledge of scripting would be helpful when we discuss how plugins work. What You Will Learn Manage the configuration of Nagios Core with advanced techniques to achieve fine detail in your checks Find, install, and even write your own check plugins Filter notifications to send them to the right people or programs at the right time Work around difficult network accessibility issues and delegate checks to other machines Tweak a Nagios Core server to achieve both high performance and redundancy in case of disaster Process the results of checks performed by other machines to monitor backups and similar processes Extend Nagios Core to allow advanced scripting, reporting, and network visualization behavior In Detail Nagios Core is an open source monitoring framework suitable for any network that ensures both internal and customer-facing services are running correctly and manages notification and reporting behavior to diagnose and fix outages promptly. It allows very fine configuration of exactly when, where, what, and how to check network services to meet both the uptime goals of your network and systems team and the needs of your users. This book shows system and network administrators how to use Nagios Core to its fullest as a monitoring framework for checks on any kind of network services, from the smallest home network to much larger production multi-site services. You will discover that Nagios Core is capable of doing much more than pinging a host or to see whether websites respond. The recipes in this book will demonstrate how to leverage Nagios Core's advanced configuration, scripting hooks, reports, data retrieval, and extensibility to integrate it with your existing systems, and to make it the rock-solid center of your network monitoring world. Style and approach Each chapter contains a set of step-by-step recipes to perform an example of a commonly performed task related to network administration. The book begins by focusing closely on the properties and configuration of Nagios Core itself, and gradually moves on to other pieces of software that can support, manage, and extend the system.

Суперкомпьютеры: администрирование - Сергей Жуматий
2020-09-27

Как стать администратором суперкомпьютера? Что нужно знать и

уметь? Какие подводные камни ждут на этом нелёгком пути? В книге есть ответы на эти и некоторые другие вопросы. Материал поможет имеющим опыт системного администрирования повысить свою квалификацию, а тем, кто пока не имеет такого опыта, разобраться в том, что нужно изучить.

CompTIA CySA+ Cybersecurity Analyst Certification All-in-One Exam Guide (Exam CS0-001) - Fernando Maymi 2017-09-01

This comprehensive self-study guide offers complete coverage of the new CompTIA Cybersecurity Analyst+ certification exam Note: This guide has been updated to reflect CompTIA's exam acronym CySA+. This highly effective self-study system provides complete coverage of every objective for the challenging CompTIA CySA+ Cybersecurity Analyst exam. You'll find learning objectives at the beginning of each chapter, exam tips, in-depth explanations, and practice exam questions. All questions closely mirror those on the live test in content, format, and tone. Designed to help you pass exam CS0-001 with ease, this definitive guide also serves as an essential on-the-job reference. Covers every topic on the exam, including:

- Threat and vulnerability management
- Conducting and analyzing reconnaissance
- Responding to network-based threats
- Securing a cooperate network
- Cyber incident response
- Determining the impact of incidents
- Preparing the incident response toolkit
- Security architectures
- Policies, procedures, and controls
- Assuring identity and access management
- Putting in compensating controls
- Secure software development

Electronic content includes: •200 practice questions •Secured book PDF

Organização E Arquitetura De Computadores - Luiz Ricardo Mantovani Da Silva 2019-07-18

Este livro aborda de forma objetiva e didática os conceitos estudados em arquitetura de computadores, viabilizando um aprendizado eficiente. Abordamos brevemente a história dos computadores, enfatizando o funcionamento dos componentes físicos, aspectos lógicos e demais conceitos, sendo que ao final o leitor terá condição de compreender o que é e como funciona esta grande invenção da genialidade humana.

[Nagios 3 Enterprise Network Monitoring](#) - Max Schubert 2008-07-04

The future for Nagios in the enterprise is certainly bright! Nagios 3 Enterprise Network Monitoring can help you harness the full power of Nagios in your organization. Nagios 3 contains many significant new features and updates, and this book details them all for you. Once up and running, you'll see how a number of useful add-ons and enhancements for Nagios can extend the functionality of Nagios throughout your organization. And, if you want to learn how to write your own plugins...this is the book for you! In these pages you'll find a cookbook-style chapter full of useful plugins that monitor a variety of devices, from HTTP-based applications to CPU utilization to LDAP servers and more. Complete Case Study Demonstrates how to Deploy Nagios Globally in an Enterprise Network Monitor Third Party Hardware Devices with Nagios [Hands-On Microservices - Monitoring and Testing](#) - Dinesh Rajput 2018-10-30

Learn and implement various techniques related to testing, monitoring and optimization for microservices architecture. Key Features Learn different approaches for testing microservices to design and implement, robust and secure applications Become more efficient while working with microservices Explore Testing and Monitoring tools such as JMeter, Ready API, and AppDynamics Book Description Microservices are the latest "right" way of developing web applications. Microservices architecture has been gaining momentum over the past few years, but once you've started down the microservices path, you need to test and optimize the services. This book focuses on exploring various testing, monitoring, and optimization techniques for microservices. The book starts with the evolution of software architecture style, from monolithic to virtualized, to microservices architecture. Then you will explore methods to deploy microservices and various implementation patterns. With the help of a real-world example, you will understand how external APIs help product developers to focus on core competencies. After that, you will learn testing techniques, such as Unit Testing, Integration Testing, Functional Testing, and Load Testing. Next, you will explore performance testing tools, such as JMeter, and Gatling. Then, we deep dive into monitoring techniques and learn performance benchmarking of

the various architectural components. For this, you will explore monitoring tools such as Appdynamics, Dynatrace, AWS CloudWatch, and Nagios. Finally, you will learn to identify, address, and report various performance issues related to microservices. What you will learn Understand the architecture of microservices and how to build services Establish how external APIs help to accelerate the development process Understand testing techniques, such as unit testing, integration testing, end-to-end testing, and UI/functional testing Explore various tools related to the performance testing, monitoring, and optimization of microservices Design strategies for performance testing Identify performance issues and fine-tune performance Who this book is for This book is for developers who are involved with microservices architecture to develop robust and secure applications. Basic knowledge of microservices is essential in order to get the most out of this book. *Windows Server 2019 & PowerShell All-in-One For Dummies* - Sara Perrott 2019-04-04

Your one-stop reference for Windows Server 2019 and PowerShell know-how *Windows Server 2019 & PowerShell All-in-One For Dummies* offers a single reference to help you build and expand your knowledge of all things Windows Server, including the all-important PowerShell framework. Written by an information security pro and professor who trains aspiring system administrators, this book covers the broad range of topics a system administrator needs to know to run Windows Server 2019, including how to install, configure, and secure a system. This book includes coverage of: Installing & Setting Up Windows Server Configuring Windows Server 2019 Administering Windows Server 2019 Configuring Networking Managing Security Working with Windows PowerShell Installing and Administering Hyper-V Installing, Configuring, and Using Containers If you're a budding or experienced system administrator looking to build or expand your knowledge of Windows Server, this book has you covered.

[Das Nagios / Icinga Kochbuch](#) - Timo Kucza 2012-10-31

IT-Netzwerke sind unverzichtbar. Entsprechend wichtig ist es, ihre Verfügbarkeit und Funktionsfähigkeit sicherzustellen. Netzwerk-

Monitoring ist deshalb zentraler Bestandteil moderner Systemadministration - ob in großen Firmen, kleinen Unternehmen oder für privat betriebene Server. Seit Jahren ist die Open Source-Software Nagios ein äußerst beliebtes und unverzichtbares Werkzeug für Systemadministratoren, um eine professionelle Netzwerküberwachung zu gewährleisten. Icinga ist ein Fork von Nagios. Es zeichnet sich durch eine modernere Weboberfläche und zusätzliche Datenbankkonnektoren aus. Der Entwicklungsprozess von Icinga ist ausgesprochen dynamisch, so dass Patches schneller zur Verfügung stehen und eingespielt werden können. Das Nagios/Icinga-Kochbuch ist das erste deutschsprachige Buch, das beide Tools in einem Buch behandelt und dabei ein breites Themenspektrum abdeckt. Aus dem Inhalt: Ein System für das Monitoring auswählen; Überlegungen zur Anbindung der Monitoring-Tools an das Netzwerk; Die Systeme aufs Monitoring vorbereiten; Mit Konfigurationsobjekten arbeiten; Lokale Parameter und Netzwerkdienste mit Standard-Plugins überwachen; Externe Plugins einbinden und eigene Plugins entwickeln; Geräte in das Monitoring-System einbinden; Daten mit PNP4Nagios und NagVis visualisieren; Die Autoren, die seit vielen Jahren Netzwerk-Monitoring im Umfeld größerer Organisationen betreiben und weitreichende Erfahrung gesammelt haben, geben ihr geballtes Praxiswissen in über 100 Rezepten weiter. Viele dieser Rezepte enthalten einsatzfähigen Code und kleine Skripte, die für spezielle Aufgaben im Netzwerk-Monitoring eingesetzt werden können.

[Learning Nagios](#) - Wojciech Kocjan 2016-08-31

Learn and monitor your entire IT infrastructure to ensure your systems, applications, services, and business function effectively. About This Book Packed with tips, tricks and illustrations, the book will explain the configuration and monitoring concepts in a simplified manner Experience the scalability and flexibility of Nagios in a very practical and easy-to-understand approach. Unleash the power of Nagios Core and Nagios XI 5 to monitor and secure your infrastructure with ease. Who This Book Is For This book is targeted at System Administrators, both, who have no prior knowledge of Nagios as well as readers experienced with it. It not only covers the basics of Nagios but also the advanced features. What

You Will Learn Set up and use the built-in Nagios web interface Upskill the additional interfaces available for Nagios to monitor your IT infrastructure Learn how to perform various checks using both, Nagios standard plugins and third-party plugins Explore the working of notifications and events in Nagios Familiarize yourself with SNMP and use it for monitoring devices such as routers, switches, modems and printers Discover how can be Nagios can be customized and tailored to your needs Get to know more about the enterprise version of Nagios, Nagios XI In Detail Nagios, a powerful and widely used IT monitoring and management software for problem -solving. It detects problems related to your organizations infrastructure and helps in resolving the issue before it impacts the business. Following the success of the previous edition, this book will continue to help you monitor the status of network devices and also notify the system administrators of network problems. Starting with the fundamentals, the book will teach you how to install and configure Nagios for your environment. The book helps you learn how to end downtimes, adding comments and generating reports using the built-in Web interface of Nagios. Moving on, you will be introduced to the third-party web interfaces and applications for checking the status and report specific information. As you progress further in Learning Nagios, you will focus on the standard set of Nagios plugins and also focus on teach you how to efficiently manage large configurations and using templates. Once you are up to speed with this, you will get to know the concept and working of notifications and events in Nagios. The book will then uncover the concept of passive check and shows how to use NRDP (Nagios Remote Data Processor). The focus then shifts to how Nagios checks can be run on remote machines and SNMP (Simple Network Management Protocol) can be used from Nagios. Lastly, the book will demonstrate how to extend Nagios by creating custom check commands, custom ways of notifying users and showing how passive checks and NRDP can be used to integrate your solutions with Nagios. By the end of the book, you will be a competent system administrator who could monitor mid-size businesses or even large scale enterprises. Style and approach This will be a practical learning guide

for system administrators which will teach them everything about Nagios along with implementing it for your organization and then ending with securing it.

Juniper SRX Series - Brad Woodberg 2013-06-07

This complete field guide, authorized by Juniper Networks, is the perfect hands-on reference for deploying, configuring, and operating Juniper's SRX Series networking device. Authors Brad Woodberg and Rob Cameron provide field-tested best practices for getting the most out of SRX deployments, based on their extensive field experience. While their earlier book, Junos Security, covered the SRX platform, this book focuses on the SRX Series devices themselves. You'll learn how to use SRX gateways to address an array of network requirements—including IP routing, intrusion detection, attack mitigation, unified threat management, and WAN acceleration. Along with case studies and troubleshooting tips, each chapter provides study questions and lots of useful illustrations. Explore SRX components, platforms, and various deployment scenarios Learn best practices for configuring SRX's core networking features Leverage SRX system services to attain the best operational state Deploy SRX in transparent mode to act as a Layer 2 bridge Configure, troubleshoot, and deploy SRX in a highly available manner Design and configure an effective security policy in your network Implement and configure network address translation (NAT) types Provide security against deep threats with AppSecure, intrusion protection services, and unified threat management tools

Cybersecurity and High-Performance Computing Environments - Kuan-Ching Li 2022-05-09

In this fast-paced global economy, academia and industry must innovate to evolve and succeed. Today's researchers and industry experts are seeking transformative technologies to meet the challenges of tomorrow. Cutting-edge technological advances in cybersecurity solutions aid in enabling the security of complex heterogeneous high-performance computing (HPC) environments. On the other hand, HPC facilitates powerful and intelligent innovative models for reducing time to response to identify and resolve a multitude of potential, newly emerging

cyberattacks. *Cybersecurity and High-Performance Computing Environments* provides a collection of the current and emergent research innovations, practices, and applications focusing on the interdependence of cybersecurity and HPC domains for discovering and resolving new emerging cyber-threats. **KEY FEATURES** Represents a substantial research contribution to the state-of-the-art solutions for addressing the threats to confidentiality, integrity, and availability (CIA triad) in HPC environments Covers the groundbreaking and emergent solutions that utilize the power of the HPC environments to study and understand the emergent, multifaceted, anomalous, and malicious characteristics The content will help university students, researchers, and professionals understand how HPC research fits broader cybersecurity objectives and vice versa.

[Linux Networking Cookbook](#) - Carla Schroder 2007-11-26

This soup-to-nuts collection of recipes covers everything you need to know to perform your job as a Linux network administrator, whether you're new to the job or have years of experience. With *Linux Networking Cookbook*, you'll dive straight into the gnarly hands-on work of building and maintaining a computer network. Running a network doesn't mean you have all the answers. Networking is a complex subject with reams of reference material that's difficult to keep straight, much less remember. If you want a book that lays out the steps for specific tasks, that clearly explains the commands and configurations, and does not tax your patience with endless ramblings and meanderings into theory and obscure RFCs, this is the book for you. You will find recipes for: Building a gateway, firewall, and wireless access point on a Linux network Building a VoIP server with Asterisk Secure remote administration with SSH Building secure VPNs with OpenVPN, and a Linux PPTP VPN server Single sign-on with Samba for mixed Linux/Windows LANs Centralized network directory with OpenLDAP Network monitoring with Nagios or MRTG Getting acquainted with IPv6 Setting up hands-free networks installations of new systems Linux system administration via serial console And a lot more. Each recipe includes a clear, hands-on solution with tested code, plus a discussion on

why it works. When you need to solve a network problem without delay, and don't have the time or patience to comb through reference books or the Web for answers, *Linux Networking Cookbook* gives you exactly what you need.

Information Science and Applications - Kuinam J. Kim 2015-02-17

This proceedings volume provides a snapshot of the latest issues encountered in technical convergence and convergences of security technology. It explores how information science is core to most current research, industrial and commercial activities and consists of contributions covering topics including Ubiquitous Computing, Networks and Information Systems, Multimedia and Visualization, Middleware and Operating Systems, Security and Privacy, Data Mining and Artificial Intelligence, Software Engineering, and Web Technology. The proceedings introduce the most recent information technology and ideas, applications and problems related to technology convergence, illustrated through case studies, and reviews converging existing security techniques. Through this volume, readers will gain an understanding of the current state-of-the-art in information strategies and technologies of convergence security. The intended readership are researchers in academia, industry, and other research institutes focusing on information science and technology.

Green in Software Engineering - Coral Calero 2015-04-03

This is the first book that presents a comprehensive overview of sustainability aspects in software engineering. Its format follows the structure of the SWEBOK and covers the key areas involved in the incorporation of green aspects in software engineering, encompassing topics from requirement elicitation to quality assurance and maintenance, while also considering professional practices and economic aspects. The book consists of thirteen chapters, which are structured in five parts. First the "Introduction" gives an overview of the primary general concepts related to Green IT, discussing what Green in Software Engineering is and how it differs from Green by Software Engineering. Next "Environments, Processes and Construction" presents green software development environments, green software engineering

processes and green software construction in general. The third part, "Economic and Other Qualities," details models for measuring how well software supports green software engineering techniques and for performing trade-off analyses between alternative green practices from an economic perspective. "Software Development Process" then details techniques for incorporating green aspects at various stages of software development, including requirements engineering, design, testing, and maintenance. In closing, "Practical Issues" addresses the repercussions of green software engineering on decision-making, stakeholder participation and innovation management. The audience for this book includes software engineering researchers in academia and industry seeking to understand the challenges and impact of green aspects in software engineering, as well as practitioners interested in learning about the state of the art in Green in Software Engineering.

CompTIA CySA+ Cybersecurity Analyst Certification Bundle (Exam CS0-001) - Fernando Maymi 2019-01-01

Prepare for the challenging CySA+ certification exam with this money-saving, comprehensive study package. Designed as a complete self-study program, this collection offers a variety of proven resources to use in preparation for the CompTIA Cybersecurity Analyst (CySA+) certification exam. Comprised of CompTIA CySA+ Cybersecurity Analyst Certification All-In-One Exam Guide (CS0-001) and CompTIA CySA+ Cybersecurity Analyst Certification Practice Exams (Exam CS0-001), this bundle thoroughly covers every topic on the exam. CompTIA CySA+ Cybersecurity Analyst Certification Bundle contains more than 800 practice questions that match those on the live exam in content, difficulty, tone, and format. The set includes detailed coverage of performance-based questions. You will get exam-focused "Tip," "Note," and "Caution" elements as well as end of chapter reviews. This authoritative, cost-effective bundle serves both as a study tool AND a valuable on-the-job reference for computer security professionals. •This bundle is 25% cheaper than purchasing the books individually and includes a 10% off the exam voucher•Written by a team of computer security experts•Electronic content includes 800+ practice exam

questions and secured PDF copies of both books

Cloud Computing - Lizhe Wang 2017-12-19

Cloud computing has created a shift from the use of physical hardware and locally managed software-enabled platforms to that of virtualized cloud-hosted services. Cloud assembles large networks of virtual services, including hardware (CPU, storage, and network) and software resources (databases, message queuing systems, monitoring systems, and load-balancers). As Cloud continues to revolutionize applications in academia, industry, government, and many other fields, the transition to this efficient and flexible platform presents serious challenges at both theoretical and practical levels—ones that will often require new approaches and practices in all areas. Comprehensive and timely, *Cloud Computing: Methodology, Systems, and Applications* summarizes progress in state-of-the-art research and offers step-by-step instruction on how to implement it. Summarizes Cloud Developments, Identifies Research Challenges, and Outlines Future Directions Ideal for a broad audience that includes researchers, engineers, IT professionals, and graduate students, this book is designed in three sections: Fundamentals of Cloud Computing: Concept, Methodology, and Overview Cloud Computing Functionalities and Provisioning Case Studies, Applications, and Future Directions It addresses the obvious technical aspects of using Cloud but goes beyond, exploring the cultural/social and regulatory/legal challenges that are quickly coming to the forefront of discussion. Properly applied as part of an overall IT strategy, Cloud can help small and medium business enterprises (SMEs) and governments in optimizing expenditure on application-hosting infrastructure. This material outlines a strategy for using Cloud to exploit opportunities in areas including, but not limited to, government, research, business, high-performance computing, web hosting, social networking, and multimedia. With contributions from a host of internationally recognized researchers, this reference delves into everything from necessary changes in users' initial mindset to actual physical requirements for the successful integration of Cloud into existing in-house infrastructure. Using case studies throughout to reinforce concepts, this book also addresses recent

advances and future directions in methodologies, taxonomies, IaaS/SaaS, data management and processing, programming models, and applications.

Windows Server 2022 & Powershell All-in-One For Dummies - Sara Perrott 2022-03-29

All the essentials for administering Windows Server 2022 in one book Looking for a little help installing, configuring, securing, or running a network running Windows Server 2022? Windows Server 2022 & PowerShell All-in-One For Dummies delivers a thorough guide to network administration in a single, convenient book. Whether you need to start from scratch and install a new server or want to jump right into a more advanced topic like managing security or working in Windows PowerShell you'll find what you need right here. In this 8-books-in-1 compilation, you'll: Learn what you need to install and set up a brand-new Windows server installation Configure your Windows Server and customize its settings based on your needs and preferences Discover how to install, configure, and work with Containers The perfect book for server and system admins looking for a quick reference on Windows Server operation, this book is also a great resource for networking newcomers learning their way around the server software they'll encounter daily.

Ubuntu Using Hacking - meet chauhan 2017-11-29

The name of this book is Ubuntu Using Hacking. This book write is a Indian author Meet Chauhan. With the help of this book, you can easily read ethacking and cyber security. In this book you can get rid of HoneyPot, Trace Email and Virus Protection, or much more, for Cyber Security. And in this book like Axial hacking for password cracking, Android hack and attack computer, tips and tricks have been provided.

footprinting & scanning - meet chauhan 2018-03-26

The name of this book footprinting and scanning . this books write uis a international author meet chauhan this books helpful too easy read and learn footprinting , what is footprinting , website footprinting , scanning , network scanning , nmap tool , email tracker , cyber security and get fraud website details easy and this books is a easy learn security and tips

and trick.

Innovations in Cybersecurity Education - Kevin Daimi 2020-11-21

This book focuses on a wide range of innovations related to Cybersecurity Education which include: curriculum development, faculty and professional development, laboratory enhancements, community outreach, and student learning. The book includes topics such as: Network Security, Biometric Security, Data Security, Operating Systems Security, Security Countermeasures, Database Security, Cloud Computing Security, Industrial Control and Embedded Systems Security, Cryptography, and Hardware and Supply Chain Security. The book introduces the concepts, techniques, methods, approaches and trends needed by cybersecurity specialists and educators for keeping current their security knowledge. Further, it provides a glimpse of future directions where cybersecurity techniques, policies, applications, and theories are headed. The book is a rich collection of carefully selected and reviewed manuscripts written by diverse cybersecurity experts in the listed fields and edited by prominent cybersecurity researchers and specialists.

Practical Linux Infrastructure - Syed Ali 2014-12-29

Practical Linux Infrastructure teaches you how to use the best open source tools to build a new Linux infrastructure, or alter an existing infrastructure, to ensure it stands up to enterprise-level needs. Each chapter covers a key area of implementation, with clear examples and step-by-step instructions. Using this book, you'll understand why scale matters, and what considerations you need to make. You'll see how to switch to using Google Cloud Platform for your hosted solution, how to use KVM for your virtualization, how to use Git, Postfix, and MySQL for your version control, email, and database, and how to use Puppet for your configuration management. For enterprise-level fault tolerance you'll use Apache, and for load balancing and high availability, you'll use HAProxy and Keepalived. For trend analysis you'll learn how to use Cacti, and for notification you'll use Nagios. You'll also learn how to utilize BIND to implement DNS, how to use DHCP (Dynamic Host Configuration Protocol), and how to setup remote access for your

infrastructure using VPN and Iptables. You will finish by looking at the various tools you will need to troubleshoot issues that may occur with your hosted infrastructure. This includes how to use CPU, network, disk and memory management tools such as top, netstat, iostat and vmstat. Author Syed Ali is a senior site reliability engineering manager, who has extensive experience with virtualization and Linux cloud based infrastructure. His previous experience as an entrepreneur in infrastructure computing offers him deep insight into how a business can leverage the power of Linux to their advantage. He brings his expert knowledge to this book to teach others how to perfect their Linux environments. Become a Linux infrastructure pro with Practical Linux Infrastructure today.

DevOps for Web Development - Mitesh Soni 2016-10-24

Achieve the Continuous Integration and Continuous Delivery of your web applications with ease About This Book Overcome the challenges of implementing DevOps for web applications, familiarize yourself with diverse third-party modules, and learn how to integrate them with bespoke code to efficiently complete tasks Understand how to deploy web applications for a variety of Cloud platforms such as Amazon EC2, AWS Elastic Beanstalk, Microsoft Azure, Azure Web Apps, and Docker Container Understand how to monitor applications deployed in Amazon EC2, AWS Elastic Beanstalk, Microsoft Azure, Azure Web Apps using Nagios, New Relic, Microsoft Azure, and AWS default monitoring features Who This Book Is For If you are a system admin or application and web application developer with a basic knowledge of programming and want to get hands-on with tools such as Jenkins 2 and Chef, and Cloud platforms such as AWS and Microsoft Azure, Docker, New Relic, Nagios, and their modules to host, deploy, monitor, and manage their web applications, then this book is for you. What You Will Learn Grasp Continuous Integration for a JEE application—create and configure a build job for a Java application with Maven and with Jenkins 2.0 Create built-in delivery pipelines of Jenkins 2 and build a pipeline configuration for end-to-end automation to manage the lifecycle of Continuous Integration Get to know all about configuration management using Chef

to create a runtime environment Perform instance provisioning in AWS and Microsoft Azure and manage virtual machines on different cloud platforms—install Knife plugins for Amazon EC2 and Microsoft Azure Deploy an application in Amazon EC2, AWS Elastic Beanstalk, Microsoft Azure Web Apps, and a Docker container Monitor infrastructure, application servers, web servers, and applications with the use of open source monitoring solutions and New Relic Orchestrate multiple build jobs to achieve application deployment automation—create parameterized build jobs for end-to-end automation In Detail The DevOps culture is growing at a massive rate, as many organizations are adopting it. However, implementing it for web applications is one of the biggest challenges experienced by many developers and admins, which this book will help you overcome using various tools, such as Chef, Docker, and Jenkins. On the basis of the functionality of these tools, the book is divided into three parts. The first part shows you how to use Jenkins 2.0 for Continuous Integration of a sample JEE application. The second part explains the Chef configuration management tool, and provides an overview of Docker containers, resource provisioning in cloud environments using Chef, and Configuration Management in a cloud environment. The third part explores Continuous Delivery and Continuous Deployment in AWS, Microsoft Azure, and Docker, all using Jenkins 2.0. This book combines the skills of both web application deployment and system configuration as each chapter contains one or more practical hands-on projects. You will be exposed to real-world project scenarios that are progressively presented from easy to complex solutions. We will teach you concepts such as hosting web applications, configuring a runtime environment, monitoring and hosting on various cloud platforms, and managing them. This book will show you how to essentially host and manage web applications along with Continuous Integration, Cloud Computing, Configuration Management, Continuous Monitoring, Continuous Delivery, and Deployment. Style and approach This is a learning guide for those who have a basic knowledge of application deployment, configuration management tools, and Cloud computing, and are eager to leverage it to implement DevOps for web

applications using end-to-end automation and orchestration.

Kafka: The Definitive Guide - Gwen Shapira 2021-11-05

Every enterprise application creates data, whether it consists of log messages, metrics, user activity, or outgoing messages. Moving all this data is just as important as the data itself. With this updated edition, application architects, developers, and production engineers new to the Kafka streaming platform will learn how to handle data in motion. Additional chapters cover Kafka's AdminClient API, transactions, new security features, and tooling changes. Engineers from Confluent and LinkedIn responsible for developing Kafka explain how to deploy production Kafka clusters, write reliable event-driven microservices, and build scalable stream processing applications with this platform. Through detailed examples, you'll learn Kafka's design principles, reliability guarantees, key APIs, and architecture details, including the replication protocol, the controller, and the storage layer. You'll examine: Best practices for deploying and configuring Kafka Kafka producers and consumers for writing and reading messages Patterns and use-case requirements to ensure reliable data delivery Best practices for building data pipelines and applications with Kafka How to perform monitoring, tuning, and maintenance tasks with Kafka in production The most critical metrics among Kafka's operational measurements Kafka's delivery capabilities for stream processing systems

CompTIA CySA+ Study Guide with Online Labs - Mike Chapple 2020-11-10

Virtual, hands-on learning labs allow you to apply your technical skills using live hardware and software hosted in the cloud. So Sybex has bundled CompTIA CySA+ labs from Practice Labs, the IT Competency Hub, with our popular CompTIA CySA+ Study Guide, Second Edition. Working in these labs gives you the same experience you need to prepare for the CompTIA CySA+ Exam CS0-002 that you would face in a real-life setting. Used in addition to the book, the labs are a proven way to prepare for the certification and for work in the cybersecurity field. The CompTIA CySA+ Study Guide Exam CS0-002, Second Edition provides clear and concise information on crucial security topics and verified

100% coverage of the revised CompTIA Cybersecurity Analyst+ (CySA+) exam objectives. You'll be able to gain insight from practical, real-world examples, plus chapter reviews and exam highlights. Turn to this comprehensive resource to gain authoritative coverage of a range of security subject areas. Review threat and vulnerability management topics Expand your knowledge of software and systems security Gain greater understanding of security operations and monitoring Study incident response information Get guidance on compliance and assessment The CompTIA CySA+ Study Guide, Second Edition connects you to useful study tools that help you prepare for the exam. Gain confidence by using its interactive online test bank with hundreds of bonus practice questions, electronic flashcards, and a searchable glossary of key cybersecurity terms. You also get access to hands-on labs and have the opportunity to create a cybersecurity toolkit. Leading security experts, Mike Chapple and David Seidl, wrote this valuable guide to help you prepare to be CompTIA Security+ certified. If you're an IT professional who has earned your CompTIA Security+ certification, success on the CySA+ (Cybersecurity Analyst) exam stands as an impressive addition to your professional credentials. Preparing and taking the CS0-002 exam can also help you plan for advanced certifications, such as the CompTIA Advanced Security Practitioner (CASP+). And with this edition you also get Practice Labs virtual labs that run from your browser. The registration code is included with the book and gives you 6 months unlimited access to Practice Labs CompTIA CySA+ Exam CS0-002 Labs with 30 unique lab modules to practice your skills.

Instant Nagios Starter - Michael Guthrie 2013-05-23

Get to grips with a new technology, understand what it is and what it can do for you, and then get to work with the most important features and tasks. A concise guide, written in an easy-to-follow format. Instant Nagios Starter is an outstanding resource for system engineers, administrators and developers, with a basic understanding of the Linux command line Readers should have access to a test system or virtual machine with Linux installed to follow the given examples.

Открытые системы. СУБД №04/2015 - Открытые системы
2022-05-07

В номере: Защищенная ОС Высокопроизводительные системы в ряде случаев применяются в приложениях специального назначения, при выполнении которых предъявляются повышенные требования к обеспечению безопасности. Перенос параллельных программ без потери эффективности Аппаратные архитектуры меняются быстрее программ. Рано или поздно возникает необходимость их переноса, однако данная задача усложняется в случае параллельных программ, которые должны работать эффективно и на новой архитектуре. Программное обеспечение: взгляд в будущее Сегодня любая отрасль неизбежно связана с индустрией программного обеспечения, поэтому пути ее развития на ближайшее будущее в той или иной степени касаются всех. Поиск, мониторинг и анализ данных в социальных сетях Социальные сети – это ежедневно растущие, измеряемые петабайтами объемы неструктурированных данных, обработка которых традиционными средствами затруднительна. Унифицированный инструмент для разработки в WWW Бурное развитие Интернета было бы невозможно без единого подхода к работе с данными в WWW. Одним из перспективных протоколов для организации работы сайтов и веб-приложений является OData, позволяющий создавать и использовать готовые RESTful-приложения. Нефтегазоразведка без Больших Данных В нефтегазовой отрасли пока еще мало внимания уделяется Большим Данным. Руководители ИТ-подразделений крупных российских нефтяных компаний почти не упоминают о своих планах работ в этом направлении. Технологии вокруг и внутри нас Темы июльского, августовского, сентябрьского и октябрьского выпусков журнала Computer (IEEE Computer Society, Vol. 48, No. 7, 8, 9, 10 2015) – системы, строящие свое поведение в зависимости от результатов «самоанализа»; преодоление сложностей нерегулярных алгоритмов; ускорение реализации потенциала Интернета вещей и сближение человека с компьютером. и многое другое
Nagios - David Josephsen 2013-03-27

The Fully Updated Guide to Enterprise Network Monitoring with Today's Nagios Platform and Tools This is the definitive guide to building cost-effective, enterprise-strength monitoring infrastructures with the latest commercial and open source versions of Nagios. World-renowned monitoring expert David Josephsen covers the entire monitoring software stack, treating Nagios as a specification language and foundation for building well designed monitoring systems that can scale to serve any organization. Drawing on his unsurpassed experience, Josephsen demonstrates best practices throughout and also reveals common mistakes, their consequences, and how to avoid them. He provides all the technical depth you need to configure and run Nagios successfully, including a practical and thorough discussion of writing your own custom modules with the C-based Nagios Event-Broker API. Extensively updated throughout, this edition adds an entirely new chapter on scaling Nagios for large, complex networks that rely heavily on virtualization and cloud services. Josephsen thoroughly introduces Nagios XI, the advanced new commercial version of Nagios and shows how to improve productivity with the latest third-party tools and plug-ins. Coverage includes: Learn how Nagios works, in depth Master focused, efficient techniques for configuring and deploying the latest versions of Nagios Solve real-world problems in monitoring Windows and UNIX systems, networking hardware, and environmental sensors Systematically scale and optimize Nagios for the largest enterprise environments Enhance your monitoring system with new tools including Check-MK, Op5 Merlin, and SFlow Integrate visualization via Ganglia, Graphite, and RRDTool Simplify and streamline all facets of system monitoring with Nagios XI Build powerful custom Nagios Event Broker (NEB) modules, step-by-step Learn about easy-to-understand code listings, fully updated for today's platforms No matter how complex your systems monitoring challenges are, this book will help you achieve the results you want—right from the start.
Learning Nagios - Third Edition - Wojciech Kocjan 2016-10-31
Learn and monitor your entire IT infrastructure to ensure your systems, applications, services, and business function effectively About This Book*Packed with tips, tricks and illustrations, the book will explain the

configuration and monitoring concepts in a simplified manner*Experience the scalability and flexibility of Nagios in a very practical and easy-to-understand approach.*Unleash the power of Nagios Core and Nagios XI 5 to monitor and secure your infrastructure with ease.Who This Book Is ForThis book is targeted at System Administrators, both, who have no prior knowledge of Nagios as well as readers experienced with it. It not only covers the basics of Nagios but also the advanced features.What You Will Learn*Set up and use the built-in Nagios web interface*Upskill the additional interfaces available for Nagios to monitor your IT infrastructure*Learn how to perform various checks using both, Nagios standard plugins and third-party plugins*Explore the working of notifications and events in Nagios*Familiarize yourself with SNMP and use it for monitoring devices such as routers, switches, modems and printers*Discover how Nagios can be customized and tailored to your needs*Get to know more about the enterprise version of Nagios, Nagios XIIn DetailNagios, a powerful and widely used IT monitoring and management software for problem -solving. It detects problems related to your organizations infrastructure and helps in resolving the issue before it impacts the business.Following the success of the previous edition, this book will continue to help you monitor the status of network devices and also notify the system administrators of network problems. Starting with the fundamentals, the book will teach you how to install and configure Nagios for your environment. The book helps you learn how to end downtimes, adding comments and generating reports using the built-in Web interface of Nagios. Moving on, you will be introduced to the third-party web interfaces and applications for checking the status and report

specific information. As you progress further in Learning Nagios, you will focus on the standard set of Nagios plugins and also focus on teach you how to efficiently manage large configurations and using templates. Once you are up to speed with this, you will get to know the concept and working of notifications and events in Nagios. The book will then uncover the concept of passive check and shows how to use NRDP (Nagios Remote Data Processor). The focus then shifts to how Nagios checks can be run on remote machines and SNMP (Simple Network Management Protocol) can be used from Nagios. Lastly, the book will demonstrate how to extend Nagios by creating custom check commands, custom ways of notifying users and showing how passive checks and NRDP can be used to integrate your solutions with Nagios.By the end of the book, you will be a competent system administrator who could monitor mid-size businesses or even large scale enterprises.

Kafka: The Definitive Guide - Neha Narkhede 2017-08-31

Learn how to take full advantage of Apache Kafka, the distributed, publish-subscribe queue for handling real-time data feeds. With this comprehensive book, you will understand how Kafka works and how it is designed. Authors Neha Narkhede, Gwen Shapira, and Todd Palino show you how to deploy production Kafka clusters; secure, tune, and monitor them; write rock-solid applications that use Kafka; and build scalable stream-processing applications. Learn how Kafka compares to other queues, and where it fits in the big data ecosystem. Dive into Kafka's internal designPick up best practices for developing applications that use Kafka. Understand the best way to deploy Kafka in production monitoring, tuning, and maintenance tasks. Learn how to secure a Kafka cluster.