Virtualbox Installation Guide

VirtualBox Network+ Guide to Networks *CompTIA Security + Guide to Network Security Fundamentals* **Virtualbox Guide for Beginners Oracle Solaris and Veritas Cluster : An Easy-build Guide** CompTIA A+ Complete Study Guide VirtualBox 3.1 **Guide to Parallel Operating Systems with Windows 10 and Linux** *CompTIA Network+ Guide to Networks* **Guide to Operating Systems** *A+ Guide to IT Technical Support (Hardware and Software)* Complete A+ Guide to IT Hardware and Software Lab Manual **CompTIA A+ Complete Deluxe Study Guide** *Big Data Architect's Handbook CompTIA IT Fundamentals Study Guide* Guide to Firewalls and VPNs Hadoop 2 Quick-Start Guide **Design and Use of Virtualization Technology in Cloud Computing Asterisk: The Definitive Guide CompTIA IT Fundamentals (ITF+) Study Guide** Network+ Guide to Networks *The Official (ISC)2 Guide to the SSCP CBK* **Hands-On Dark Web Analysis CompTIA IT Fundamentals (ITF+) Study Guide with Online Labs Oracle GoldenGate 11g Handbook Magento 2 Developer's Guide Puppet 4.10 Beginner's Guide CompTIA Linux+/LPIC-1: Training and Exam Preparation Guide (Exam Codes: LX0-103/101-400 and LX0-104/102-400), First Edition Building Your Next Big Thing with Google Cloud Platform Complete Guide to Open Source Big Data Stack Cisco Certified CyberOps Associate 200-201 Certification Guide Binary Analysis Cookbook Guide to Computer Forensics and Investigations Puppet 5 Beginner's Guide Alfresco One 5.x Developer's Guide** Certified Ethical Hacker (CEH) Foundation Guide **CompTIA Linux+ Study Guide CompTIA Linux+ Study Guide with Online Labs A+ Guide to IT Technical Support (Hardware and Software)** *CompTIA A+ Guide to IT Technical Support*

When people should go to the ebook stores, search introduction by shop, shelf by shelf, it is truly problematic. This is why we give the ebook compilations in this website. It will very ease you to look guide **Virtualbox Installation Guide** as you such as.

By searching the title, publisher, or authors of guide you in reality want, you can discover them rapidly. In the house, workplace, or perhaps in your method can be every best area within net connections. If you intention to download and install the Virtualbox Installation Guide, it is agreed simple then, in the past currently we extend the associate to purchase and make bargains to download and install Virtualbox Installation Guide correspondingly simple!

Guide to Parallel Operating Systems with Windows 10 and Linux Mar 22 2022 Readers examine two of the most prominent operating

systems -- Windows 10 and Linux CentOS7 -- in parallel with the unique approach found only in GUIDE TO PARALLEL OPERATING SYSTEMS WITH WINDOWS 10 AND LINUX, 3E. Rather than using a compare and contrast model, the book presents each topic conceptually before demonstrating it simultaneously on both operating systems. Readers can instantly switch between Windows 10 and Linux CentOS 7 to complete the myriad of hands-on activities that reinforce the similarities between the two operating systems for each conceptual task. The text's virtualization approach provides flexibility that enables readers to use Microsoft Hyper-V Client, Oracle VirtualBox, or VMWare Workstation. This comprehensive guide helps users develop the competencies needed in Windows 10 and Linux to maximize success in today's classroom or tomorrow's business environment. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

A+ Guide to IT Technical Support (Hardware and Software) Jul 22 2019 This step-by-step, highly visual text provides a comprehensive introduction to managing and maintaining computer hardware and software. Written by best-selling author and educator Jean Andrews, A+ Guide to IT Technical Support, 9th Edition closely integrates the CompTIA+ Exam objectives to prepare you for the 220-901 and 220-902 certification exams. The new Ninth Edition also features extensive updates to reflect current technology, techniques, and industry standards in the dynamic, fast-paced field of PC repair and information technology. Each chapter covers both core concepts and advanced topics, organizing material to facilitate practical application and encourage you to learn by doing. The new edition features more coverage of updated hardware, security, virtualization, new coverage of cloud computing, Linux and Mac OS, and increased emphasis on mobile devices. Supported by a wide range of supplemental resources to enhance learning with Lab Manuals, CourseNotes online labs and the optional MindTap that includes online labs, certification test prep and interactive exercises and activities, this proven text offers students an ideal way to prepare for success as a professional IT support technician and administrator. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

CompTIA Network+ Guide to Networks Feb 21 2022 Master the technical skills and industry knowledge you need to begin an exciting career installing, configuring and troubleshooting computer networks with West's completely updated NETWORK+ GUIDE TO NETWORKS, 9E. This resource thoroughly prepares you for success on the latest CompTIA's Network+ N10-008 certification exam as content corresponds to all exam objectives, including protocols, topologies, hardware, network design, security and troubleshooting. Detailed, step-by-step instructions as well as cloud, virtualization and simulation projects give you experience working with a variety of hardware, software and operating systems as well as device interactions. Stories from professionals on the job, insightful discussion prompts, hands-on activities, applications and projects all guide you in exploring key concepts in-depth. You gain the problem-solving tools for success in any computing environment. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Virtualbox Guide for Beginners Jul 26 2022 This book is a guide on how to use VirtualBox. It begins by guiding you on how to get started with VirtualBox by installing and configuring it in Linux, Windows, Mac OS X, and Solaris platforms. You are then guided on how to create your first virtual machine in the VirtualBox. The process of creating a Hadoop cluster in VirtualBox is also discussed. This has been explained in a step-by-step manner to help you grasp every concept. With VM groups, one can group together virtual machines. With this, a single action

can be applied to all the virtual machines which are contained in the group. This book guides you on how to create a VM group in VirtualBox. You are also shown how to emulate a network by use of common networking devices such as routers and PCs in a VirtualBox. The VirtualBox extension pack is very essential, as it helps us accomplish much in a VirtualBox. This book teaches you how to install and set it up in VirtualBox. The book also guides you on how you can share folders between the guest and the host in a VirtualBox. The process of adding new drives to the virtual machines is explored. The following topics are discussed in this book: - Getting Started with VirtualBox - Creating the First Virtual Machine - Creating a Hadoop Cluster - Creating and Managing VM Groups - Emulating a Network in VirtualBox - Installing VirtualBox Extension Pack - Sharing Folders between Host and Guest in VirtualBox - Adding a New Drive to Virtual Machines

CompTIA Security + Guide to Network Security Fundamentals Aug 27 2022 This best-selling guide provides a complete, practical, and thoroughly up-to-date introduction to network and computer security. COMPTIA SECURITY+ GUIDE TO NETWORK SECURITY FUNDAMENTALS, Seventh Edition, maps to the new CompTIA Security+ SY0-601 Certification Exam, providing comprehensive coverage of all domain objectives to help readers prepare for professional certification and career success. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Design and Use of Virtualization Technology in Cloud Computing May 12 2021 Cloud computing is rapidly expanding in its applications and capabilities through various parts of society. Utilizing different types of virtualization technologies can push this branch of computing to even greater heights. Design and Use of Virtualization Technology in Cloud Computing is a crucial resource that provides in-depth discussions on the background of virtualization, and the ways it can help shape the future of cloud computing technologies. Highlighting relevant topics including grid computing, mobile computing, open source virtualization, and virtualization in education, this scholarly reference source is ideal for computer engineers, academicians, students, and researchers that are interested in learning more about how to infuse current cloud computing technologies with virtualization advancements.

VirtualBox 3.1 Apr 23 2022

The Official (ISC)2 Guide to the SSCP CBK Jan 08 2021 The fourth edition of the Official (ISC)2® Guide to the SSCP CBK® is a comprehensive resource providing an in-depth look at the seven domains of the SSCP Common Body of Knowledge (CBK). This latest edition provides an updated, detailed guide that is considered one of the best tools for candidates striving to become an SSCP. The book offers step-by-step guidance through each of SSCP's domains, including best practices and techniques used by the world's most experienced practitioners. Endorsed by (ISC)² and compiled and reviewed by SSCPs and subject matter experts, this book brings together a global, thorough perspective to not only prepare for the SSCP exam, but it also provides a reference that will serve you well into your career.

Oracle GoldenGate 11g Handbook Oct 05 2020 Master Oracle GoldenGate 11g Enable highly available, real-time access to enterprise data in heterogeneous environments. Featuring hands-on workshops, Oracle GoldenGate 11g Handbook shows you how to install, configure, and implement this high-performance application. You'll learn how to replicate data across Oracle databases and other platforms, including MySQL and Microsoft SQL Server, and perform near-zero-downtime migrations and upgrades. Monitoring, performance tuning, and troubleshooting are also discussed in this Oracle Press guide. Install and configure Oracle GoldenGate Implement Oracle GoldenGate one-way replication Configure multitarget and cascading replication Use bidirectional replication to build a heterogeneous database infrastructure

Secure your environment, control and manipulate data, and prevent errors Configure Oracle GoldenGate for Oracle Clusterware and Oracle Real Application Clusters Use Oracle GoldenGate with MySQL and Microsoft SQL Server Perform near-zero-downtime upgrades and migrations Use Oracle GoldenGate Monitor and Oracle GoldenGate Director Ensure data quality with Oracle GoldenGate Veridata Implement nondatabase integration options

Hands-On Dark Web Analysis Dec 07 2020 Understanding the concept Dark Web and Dark Net to utilize it for effective cybersecurity Key Features Understand the concept of Dark Net and Deep Web Use Tor to extract data and maintain anonymity Develop a security framework using Deep web evidences Book Description The overall world wide web is divided into three main areas - the Surface Web, the Deep Web, and the Dark Web. The Deep Web and Dark Web are the two areas which are not accessible through standard search engines or browsers. It becomes extremely important for security professionals to have control over these areas to analyze the security of your organization. This book will initially introduce you to the concept of the Deep Web and the Dark Web and their significance in the security sector. Then we will deep dive into installing operating systems and Tor Browser for privacy, security and anonymity while accessing them. During the course of the book, we will also share some best practices which will be useful in using the tools for best effect. By the end of this book, you will have hands-on experience working with the Deep Web and the Dark Web for security analysis What you will learn Access the Deep Web and the Dark Web Learn to search and find information in the Dark Web Protect yourself while browsing the Dark Web Understand what the Deep Web and Dark Web are Learn what information you can gather, and how Who this book is for This book is targeted towards security professionals, security analyst, or any stakeholder interested in learning the concept of deep web and dark net. No prior knowledge on Deep Web and Dark Net is required

Binary Analysis Cookbook Feb 27 2020 Explore open-source Linux tools and advanced binary analysis techniques to analyze malware, identify vulnerabilities in code, and mitigate information security risks Key FeaturesAdopt a methodological approach to binary ELF analysis on LinuxLearn how to disassemble binaries and understand disassembled codeDiscover how and when to patch a malicious binary during analysisBook Description Binary analysis is the process of examining a binary program to determine information security actions. It is a complex, constantly evolving, and challenging topic that crosses over into several domains of information technology and security. This binary analysis book is designed to help you get started with the basics, before gradually advancing to challenging topics. Using a recipe-based approach, this book guides you through building a lab of virtual machines and installing tools to analyze binaries effectively. You'll begin by learning about the IA32 and ELF32 as well as IA64 and ELF64 specifications. The book will then guide you in developing a methodology and exploring a variety of tools for Linux binary analysis. As you advance, you'll learn how to analyze malicious 32-bit and 64-bit binaries and identify vulnerabilities. You'll even examine obfuscation and anti-analysis techniques, analyze polymorphed malicious binaries, and get a high-level overview of dynamic taint analysis and binary instrumentation concepts. By the end of the book, you'll have gained comprehensive insights into binary analysis concepts and have developed the foundational skills to confidently delve into the realm of binary analysis. What you will learnTraverse the IA32, IA64, and ELF specificationsExplore Linux tools to disassemble ELF binariesIdentify vulnerabilities in 32-bit and 64-bit binariesDiscover actionable solutions to overcome the limitations in analyzing ELF binariesInterpret the output of Linux tools to identify security risks in binariesUnderstand how dynamic taint analysis worksWho this book is for This book is for anyone looking to learn

how to dissect ELF binaries using open-source tools available in Linux. If you're a Linux system administrator or information security professional, you'll find this guide useful. Basic knowledge of Linux, familiarity with virtualization technologies and the working of network sockets, and experience in basic Python or Bash scripting will assist you with understanding the concepts in this book

Oracle Solaris and Veritas Cluster : An Easy-build Guide Jun 25 2022 Learn the fundamental concepts of OS clustering, Oracle Solaris clustering high-level design, Oracle Solaris clustering implementation using VirtualBox, and Veritas clustering implementation using VirtualBox. Oracle Solaris and Veritas Cluster: An Easy-build Guide shows you how to implement a cluster on your desktop or laptop devices using virtualized network, host, and storage configuration. This book explains both the architecture design and technical implementation for building Solaris Oracle- or Veritas-based clustered environments. This book provides snapshot-based steps to set up Solaris virtual hosts under VirtualBox and implement Veritas clustering across two virtual hosts that can be implemented on a desktop or laptop. This book will help you understand what it's like setting up a clustered environment, in simple steps that can be followed by users having little knowledge of clustering. What You Will Learn: Practice cluster implementation on your local PC or laptop Implement both Oracle/Solaris and Veritas clusters under Oracle Solaris 10 OS Master cluster fundamentals, concepts, and design Create virtualized environments under VirtualBox Learn the prerequisites and configuration for host builds, networking, and storage setup using VirtualBox for Solaris Oracle and Veritas Who This Book Is For: IT support engineers, education institutions and students.

Guide to Operating Systems Jan 20 2022 Master the fundamental concepts of computer operating systems with Tomsho's GUIDE TO OPERATING SYSTEMS, 6th Edition. An excellent resource for training across different operating systems, this practical text equips you with key theory and technical information as you work with today's most popular operating systems, including Windows, macOS and Linux platforms. You will learn how general operating systems are organized and function as well as gain hands-on experience with OS installation, upgrading and configuration. Processors, file systems, networking, virtualization, security, device management, storage, OS maintenance and troubleshooting are explored in detail. Content also covers Windows 10 and earlier Windows client OSs, Windows Server 2019 and earlier Windows server OSs, Fedora Linux, and macOS Mojave and earlier. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

CompTIA A+ Guide to IT Technical Support Jun 20 2019 Discover a comprehensive introduction to IT technical support as Andrews/Dark/West's COMPTIA A+ GUIDE TO IT TECHNICAL SUPPORT, 10E explains how to work with users as well as install, maintain, troubleshoot and network computer hardware and software. This step-by-step, highly visual best-selling approach uses CompTIA A+ Exam objectives as a framework to prepare you for 220-1001 and 220-1002 certification exams. Each chapter covers core and advanced topics while emphasizing practical application of the most current technology, techniques and industry standards. You study the latest hardware, security, Active Directory, operational procedures, basics of scripting, virtualization, cloud computing, mobile devices and Windows 10 as you prepare for success as an IT support technician or administrator. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Complete A+ Guide to IT Hardware and Software Lab Manual Nov 18 2021 The companion Complete A+ Guide to IT Hardware and Software Lab Manual provides students hands-on practice with various computer parts, mobile devices, wired networking, wireless

networking, operating systems, and security. The 155 labs are designed in a step-by-step manner that allows students to experiment with various technologies and answer questions along the way to consider the steps being taken. Some labs include challenge areas to further practice the new concepts. The labs ensure students gain the experience and confidence required to succeed in industry.

CompTIA Linux+/LPIC-1: Training and Exam Preparation Guide (Exam Codes: LX0-103/101-400 and LX0-104/102-400), First Edition Jul 02 2020 The CompTIA Linux+/LPIC-1 Training and Exam Preparation Guide, First Edition is a comprehensive resource designed and written with one fundamental goal in mind: teach Linux in an easy and practical manner while preparing for the Linux+/LPIC-1 exams. This book provides an in-depth coverage of all official exam objectives. This book is organized in two parts: Part One covers LX0-103/101-400 exam objectives and Part Two covers LX0-104/102-400 exam objectives. The book includes hands-on examples, step-by-step exercises, chapter-end review of concepts, files, and commands learned, and 790 challenging practice questions. This book uses "learn-by-doing" methodology. It begins with guidance on how to download a virtualization software and two Linux distribution versions and then provides instructions on how to create VMs and install Linux in them to set up a lab environment for hands-on learning. Throughout the book, appropriate command prompts are employed to identify the lab system and user to run a command. Each command and task presented in the book was actually performed and tested on lab systems. Followed by the lab environment setup in Part One, the book presents the essentials of Linux incl. interaction with Linux, basic commands, file management (permissions, ownership, linking, searching, special permissions, editing), filter programs, regex, shell features, and process handling. Subsequent topics focus on system administration incl. shared libraries, Debian and RPM package management, system boot and initialization, hardware management, kernel modules, storage partitioning, file system creation and repairs, quota handling, and swap space administration. This brings Part One to an end and you should be able to take the quiz in Appendix A to test your readiness for the LX0-103/101-400 exam. Part Two covers all the objectives for the LX0-104/102-400 exam. It covers shell scripts with a presentation and line-by-line analysis of several scripts. Building a simple SQL database and performing queries comes next. A detailed comprehension of local authentication files, user creation, password aging, and shell startup files follows. The book covers networking concepts, reference models, and terms that accompany exercises on interface configuration, hostname change, and route management. A discussion of network testing and debugging tools is furnished and their usage is demonstrated, followed by topics on internationalization, localization, time synchronization, name resolution, X Window, display/desktop managers, accessibility options, printer and print queue administration, task scheduling, system logging, system and service access controls, emailing and email aliasing, searching for special files, and so on. This brings Part Two to an end and you should be able to take the quiz in Appendix C to test your readiness for the LX0-104/102-400 exam. Highlights: * 100% coverage of ALL official exam objectives (version 4.0) * Enumerated and descriptive knowledge areas (under exam objectives) to assist in identifying and locating them * A summarized and convenient view showing exam objectives, chapters they are discussed in, associated weights, the number of questions to expect on the real exam, and other useful information * Separate section on each exam * 15 chapters in total (8 for LX0-103/101-400 and 7 for LX0-104/102-400) * Detailed guidance on building lab environment * 49 tested, hands-on exercises with explanation * Numerous tested, practical examples for clarity and understanding * Chapter-end one-sentence review of key topics * 790 single-response, multiple-response, and fill-in-the-blank practice questions/answers to test your knowledge of the material and exam readiness * Equally good for self-study and in-class training

Guide to Firewalls and VPNs Jul 14 2021 Firewalls are among the best-known network security tools in use today, and their critical role in information security continues to grow. However, firewalls are most effective when backed by thoughtful security planning, well-designed security policies, and integrated support from anti-virus software, intrusion detection systems, and related tools. GUIDE TO FIREWALLS AND VPNs, THIRD EDITION explores firewalls in the context of these critical elements, providing an in-depth guide that focuses on both managerial and technical aspects of security. Coverage includes packet filtering, authentication, proxy servers, encryption, bastion hosts, virtual private networks (VPNs), log file maintenance, and intrusion detection systems. The text also features an abundant selection of realistic projects and cases incorporating cutting-edge technology and current trends, giving students the opportunity to hone and apply the knowledge and skills they will need as working professionals. GUIDE TO FIREWALLS AND VPNs includes new and updated cases and projects, enhanced coverage of network security and VPNs, and information on relevant National Institute of Standards and Technology guidelines used by businesses and information technology professionals. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

CompTIA Linux+ Study Guide Sep 23 2019 The bestselling study guide completely updated for the NEW CompTIA Linux+ Exam XK0-004 This is your one-stop resource for complete coverage of Exam XK0-004, covering 100% of all exam objectives. You'll prepare for the exam smarter and faster with Sybex thanks to superior content including, assessment tests that check exam readiness, objective map, real-world scenarios, hands-on exercises, key topic exam essentials, and challenging chapter review questions. Linux is a UNIX-based operating system originally created by Linus Torvalds with the help of developers around the world. Developed under the GNU General Public License, the source code is free. Because of this Linux is viewed by many organizations and companies as an excellent, low-cost, secure alternative to expensive OSs, such as Microsoft Windows. The CompTIA Linux+ exam tests a candidate's understanding and familiarity with the Linux Kernel. As the Linux server market share continues to grow, so too does demand for qualified and certified Linux administrators. Building on the popular Sybex Study Guide approach, this book will provide 100% coverage of the NEW Linux+ Exam XK0-004 objectives. The book contains clear and concise information on all Linux administration topic, and includes practical examples and insights drawn from real-world experience. Hardware and System Configuration Systems Operation and Maintenance Security Linux Troubleshooting and Diagnostics Automation and Scripting You'll also have access to an online test bank, including a bonus practice exam, electronic flashcards, and a searchable PDF of key terms.

CompTIA Linux+ Study Guide with Online Labs Aug 23 2019 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 Linux+ labs from Practice Labs, the IT Competency Hub, with our popular CompTIA Linux+ Study Guide, Fourth Edition. Working in these labs gives you the same experience you need to prepare for the CompTIA Linux+ Exam XK0-004 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 IT and cybersecurity fields where Linux is fundamental to modern systems and security. This is your one-stop resource for complete coverage of Exam XK0-004, covering 100% of all exam objectives. You'll prepare for the exam smarter and faster with Sybex thanks to superior content including, assessment tests that check exam readiness, objective map, real-world scenarios, hands-on exercises, key topic exam essentials, and challenging chapter review questions. Linux is viewed by many

organizations and companies as an excellent, low-cost, secure alternative to expensive OSs, such as Microsoft Windows and is crucial to today's server and cloud infrastructure. The CompTIA Linux+ exam tests a candidate's understanding and familiarity with the Linux. As the Linux server market share continues to grow, so too does demand for qualified and certified Linux administrators. Building on the popular Sybex Study Guide approach, this book will provide 100% coverage of the NEW Linux+ Exam XK0-004 objectives. The book contains clear and concise information on all Linux administration topic, and includes practical examples and insights drawn from real-world experience. Hardware and System Configuration Systems Operation and Maintenance Security Linux Troubleshooting and Diagnostics Automation and Scripting You'll also have access to an online test bank, including a bonus practice exam, electronic flashcards, and a searchable PDF of key terms. 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 Linux+ Exam XK0-004 Labs with 65 unique lab modules to practice your skills.

CompTIA IT Fundamentals Study Guide Aug 15 2021 NOTE: The exam this book covered, CompTIA IT Fundamentals (Exam FCO-U51), was retired by CompTIA in 2019 and is no longer offered. For coverage of the current exam CompTIA IT Fundamentals+: Exam FCO-U61, please look for the latest edition of this guide: CompTIA IT Fundamentals+ Study Guide: Exam FCO-U61 (9781119513124). Information Technology is not just about what applications you can use; it is about the systems you can support. The CompTIA IT Fundamentals certification is an introduction to the skills required to become a successful systems support professional, progressing onto more advanced certifications and career success. The Sybex CompTIA IT Fundamentals Study Guide covers 100% of the exam objectives in clear and concise language and provides you authoritatively with all you need to know to succeed in the exam. Along with gaining preventative maintenance skills, you will also develop the tools to complete troubleshooting and fault resolution and resolve common issues experienced by the majority of computer systems. The exam focuses on the essential IT skills and knowledge needed to perform tasks commonly performed by advanced end-users and entry-level IT professionals alike, including: Identifying and explaining computer components Setting up a workstation, including conducting software installations Establishing network connectivity Identifying compatibility issues and identifying and preventing security risks Managing the safety and preventative maintenance of computers Practical examples, exam highlights and review questions provide real-world applications and uses. The book includes Sybex's interactive online learning environment and test bank with an assessment test, chapter tests, flashcards, and a practice exam. Our study tools can help you prepare for taking the exam???and increase your chances of passing the exam the first time!

CompTIA A+ Complete Deluxe Study Guide Oct 17 2021 The ultimate study companion for the A+ certification exams The CompTIA A+ Complete Deluxe Study Guide, 3rd Edition is your ultimate preparation tool for exams 220-901 and 220-902. This Complete Deluxe Study Guide covers 100% of the objectives for both exams, so you can avoid surprises on exam day. Practical insights and examples drawn from real-world experiences give you a glimpse into life on the job, as you solidify your understanding of crucial hardware and operating system maintenance and troubleshooting, practice effective communication, enhance your job skills, and get up to speed on safety, security, and environmental issues. Exam highlights show you what to expect on the big day, and end-of chapter reviews help you grasp the major points in the material. Plus, you'll get access to the exclusive Sybex interactive online learning environment featuring: Eight practice exams Hundreds of

sample questions Electronic flashcards Searchable glossary of important terms Over an hour of instructor-led videos on key exam topics Free eBook compatible with multiple devices so you can study on the go The CompTIA A+ certification is the essential computer technician credential and is required by over 100 leading employers. The CompTIA A+ Complete Deluxe Study Guide, 3rd Edition gives you everything you need to approach the exam with confidence and pass with flying colors.

CompTIA IT Fundamentals (ITF+) Study Guide Mar 10 2021 NOTE: The name of the exam has changed from IT Fundamentals to IT Fundamentals+ (ITF+). However, the FC0-U61 exam objectives are exactly the same. After the book was printed with IT Fundamentals in the title, CompTIA changed the name to IT Fundamentals+ (ITF+). We have corrected the title to IT Fundamentals+ (ITF+) in subsequent book printings, but earlier printings that were sold may still show IT Fundamentals in the title. Please rest assured that the book content is 100% the same. The ultimate study guide for the essential entry-level IT cert! The CompTIA IT Fundamentals Study Guide: Exam FC0-U61, Second Edition is your ideal companion for comprehensive exam preparation. Covering 100 percent of the latest exam objectives, this book contains everything you need to know to pass with flying colors—the first time! Clear, concise language breaks down fundamental IT concepts to help you truly grasp important concepts, and practical examples illustrate how each new skill is applied in real-world situations. You'll learn your way around hardware and software, conduct installations, and connect to networks to get a workstation up and running smoothly; you'll also develop the knowledge base needed to identify compatibility and security issues, mitigate risks, and conduct all-important preventative maintenance that keeps the end-user problem-free. The CompTIA IT Fundamentals certification validates your skills as a systems support specialist, and gets your foot in the door to a successful IT career. This book is your ultimate preparation resource, with expert guidance backed by online tools to take your preparation to the next level! Master 100 percent of Exam FC0-U61 objectives Learn real-world applications and practical on-the-job skills Know what to expect with exam highlights and review questions Access online study tools including flashcards, chapter tests, a practice exam, and more! The IT department is instrumental in keeping any organization on its feet. As support staff, you will be called upon to assess and repair common problems, set up and configure workstations, address individual issues, and much more. If you decide to continue on to more advanced IT positions, the CompTIA IT Fundamentals certification is a great springboard; if you're ready to launch your career, the CompTIA IT Fundamentals Study Guide offers complete, practical prep to help you face the exam with confidence.

Hadoop 2 Quick-Start Guide Jun 13 2021 Get Started Fast with Apache Hadoop® 2, YARN, and Today's Hadoop Ecosystem With Hadoop 2.x and YARN, Hadoop moves beyond MapReduce to become practical for virtually any type of data processing. Hadoop 2.x and the Data Lake concept represent a radical shift away from conventional approaches to data usage and storage. Hadoop 2.x installations offer unmatched scalability and breakthrough extensibility that supports new and existing Big Data analytics processing methods and models. Hadoop® 2 Quick-Start Guide is the first easy, accessible guide to Apache Hadoop 2.x, YARN, and the modern Hadoop ecosystem. Building on his unsurpassed experience teaching Hadoop and Big Data, author Douglas Eadline covers all the basics you need to know to install and use Hadoop 2 on personal computers or servers, and to navigate the powerful technologies that complement it. Eadline concisely introduces and explains every key Hadoop 2 concept, tool, and service, illustrating each with a simple "beginning-to-end" example and identifying trustworthy, up-to-date resources for learning more. This guide is ideal if you want to learn about Hadoop 2 without getting mired in technical

details. Douglas Eadline will bring you up to speed quickly, whether you're a user, admin, devops specialist, programmer, architect, analyst, or data scientist. Coverage Includes Understanding what Hadoop 2 and YARN do, and how they improve on Hadoop 1 with MapReduce Understanding Hadoop-based Data Lakes versus RDBMS Data Warehouses Installing Hadoop 2 and core services on Linux machines, virtualized sandboxes, or clusters Exploring the Hadoop Distributed File System (HDFS) Understanding the essentials of MapReduce and YARN application programming Simplifying programming and data movement with Apache Pig, Hive, Sqoop, Flume, Oozie, and HBase Observing application progress, controlling jobs, and managing workflows Managing Hadoop efficiently with Apache Ambari–including recipes for HDFS to NFSv3 gateway, HDFS snapshots, and YARN configuration Learning basic Hadoop 2 troubleshooting, and installing Apache Hue and Apache Spark

Guide to Computer Forensics and Investigations Jan 28 2020 Master the skills you need to conduct a successful digital investigation with Nelson/Phillips/Steuart's GUIDE TO COMPUTER FORENSICS AND INVESTIGATIONS, Sixth Edition--the most comprehensive forensics resource available. Providing clear instruction on the tools and techniques of the trade, it walks you through every step of the computer forensics investigation--from lab setup to testifying in court. The authors also thoroughly explain how to use current forensics software. The text includes the most up-to-date coverage available of Linux and Macintosh, virtual machine software such as VMware and Virtual Box, Android, mobile devices, handheld devices, cloud forensics, email, social media and the Internet of Anything. Appropriate for learners new to the field, it is also an excellent refresher and technology update for professionals in law enforcement, investigations or computer security. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Network+ Guide to Networks Sep 28 2022 The completely updated NETWORK+ GUIDE TO NETWORKS, 6th Edition gives students the technical skills and industry know-how required to begin an exciting career installing, configuring, and troubleshooting computer networks. The text also prepares students for CompTIA's Network+ N10-005 certification exam with fundamentals in protocols, topologies, hardware, and network design. After exploring TCP/IP, Ethernet, wireless transmission, and security concepts, as well as an all-new chapter on virtual networks, students can increase their knowledge with the practical On-the Jobstories, Review Questions, Hands-On Projects, and Case Projects. NETWORK+ GUIDE TO NETWORKS, 6th Edition also includes reference appendices, a glossary, and full-color illustrations. The features of the text combined with its emphasis on real-world problem solving, provides students with the tools they need to succeed in any computing environment. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

A+ Guide to IT Technical Support (Hardware and Software) Dec 19 2021 This step-by-step, highly visual text provides a comprehensive introduction to managing and maintaining computer hardware and software. Written by best-selling author and educator Jean Andrews, A+ Guide to IT Technical Support, 9th Edition closely integrates the CompTIA+ Exam objectives to prepare you for the 220-901 and 220-902 certification exams. The new Ninth Edition also features extensive updates to reflect current technology, techniques, and industry standards in the dynamic, fast-paced field of PC repair and information technology. Each chapter covers both core concepts and advanced topics, organizing material to facilitate practical application and encourage you to learn by doing. The new edition features more coverage of updated hardware, security, virtualization, new coverage of cloud computing, Linux and Mac OS, and increased emphasis on mobile devices.

Supported by a wide range of supplemental resources to enhance learning with Lab Manuals, CourseNotes online labs and the optional MindTap that includes online labs, certification test prep and interactive exercises and activities, this proven text offers students an ideal way to prepare for success as a professional IT support technician and administrator. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Asterisk: The Definitive Guide Apr 11 2021 Design a complete Voice over IP (VoIP) or traditional PBX system with Asterisk, even if you have only basic telecommunications knowledge. This bestselling guide makes it easy with a detailed roadmap that shows you how to install and configure this open source software, whether you're upgrading your existing phone system or starting from scratch. Ideal for Linux administrators, developers, and power users, this updated fifth edition shows you how to write a basic dialplan step-by-step and brings you up to speed on the features in Asterisk 16, the latest long-term support release from Digium. You'll quickly gain working knowledge to build a simple yet inclusive system. Integrate Asterisk with analog, VoIP, and digital telephony systems Build an interactive dialplan using best practices for more advanced features Delve into voicemail options such as storing messages in a database Connect to external services including Google Hangouts, XMPP, and calendars Incorporate Asterisk features and functions into a relational database to facilitate information sharing Learn how to use Asterisk's security, call routing, and faxing features Monitor and control your system with the Asterisk Manager Interface (AMI)

CompTIA IT Fundamentals (ITF+) Study Guide with Online Labs Nov 06 2020 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 IT Fundamentals labs from Practice Labs, the IT Competency Hub, with our popular CompTIA IT Fundamentals (ITF+) Study Guide: Exam FC0-U61, 2nd Edition. Working in these labs gives you the same experience you need to prepare for the CompTIA IT Fundamentals FC0-U61 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 theIT field. Information Technology is not just about what applications you can use; it is about the systems you can support. The CompTIA IT Fundamentals certification is an introduction to the skills required to become a successful systems support professional, progressing onto more advanced certifications and career success. The Sybex CompTIA IT Fundamentals Study Guide covers 100% of the exam objectives in clear and concise language and provides you authoritatively with all you need to know to succeed in the exam. Along with gaining preventative maintenance skills, you will also develop the tools to complete troubleshooting and fault resolution and resolve common issues experienced by the majority of computer systems. The exam focuses on the essential IT skills and knowledge needed to perform tasks commonly performed by advanced end-users and entry-level IT professionals alike, including: Identifying and explaining computer components Setting up a workstation, including conducting software installations Establishing network connectivity Identifying compatibility issues and identifying and preventing security risks Managing the safety and preventative maintenance of computers Practical examples, exam highlights and review questions provide real-world applications and uses. The book includes Sybex's interactive online learning environment and test bank with an assessment test, chapter tests, flashcards, and a practice exam. Our study tools can help you prepare for taking the exam--and increase your chances of passing the exam the first time! 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 IT Fundamentals Labs with 32 unique lab

modules to practice your skills.

Magento 2 Developer's Guide Sep 04 2020 Harness the power of Magento 2 – The most recent version of the world's favourite e-Commerce platform for your online store About This Book Set up, configure, and power up your Magento environment from development to production Master the use of Web API to communicate with the Magento system and create custom services Create custom modules from scratch to extend the core functionality of the Magento system Who This Book Is For This book is intended primarily for intermediate to professional-level PHP developers who are interested in Magento development. For backend developers, several topics are covered that will enable you to modify and extend your Magento 2 store. Frontend developers will also find some coverage on how to customize the look of the site in the frontend. What You Will Learn Set up the development and production environment of Magento 2 Understand the new major concepts and conventions used in Magento 2 Build a miniature yet fully-functional module from scratch to manage your e-commerce platform efficiently Write models and collections to manage and search your entity data Dive into backend development such as creating events, observers, cron jobs, logging, profiling, and messaging features Get to the core of frontend development such as blocks, templates, layouts, and the themes of Magento 2 Use token, session, and Oauth token-based authentication via various flavors of API calls, as well as creating your own APIs Get to grips with testing Magento modules and custom themes, which forms an integral part of development In Detail Magento is one of the most exciting, flexible, and customizable e-commerce systems. It offers you an extensive suite of powerful tools for creating and managing an online store. After years of development, Magento 2 introduces itself with a strong emphasis on modularity, Web API's, automated testing and overall new technology stack platform. The long-awaited Magento 2 release introduces a whole new e-commerce platform to develop online stores. The all new Magento 2 architecture, Web APIs, and a host of other features are equally challenging to master as much as they are exciting to use. This book will ease the learning curve by offering step-by-step guidance on how to extend the core functionality of your Magento 2 store. This book is your one-stop guide to build and customize a quality e-commerce website from the latest version of one of the largest, fastest growing, and most popular e-commerce platforms—Magento 2. We start off with an introduction to the fundamental concepts of Magento to give you a foundation to work from. We then move on to configure the development and basic production environment for Magento. After this, you'll get to grips with the major concepts and conventions that are new to the Magento 2 platform. We then delve deeper to get to the core of automated deployments, persisting data, writing data fixture scripts and applying various backend and frontend modifications. As we near the end of the book, you will learn to make API calls and write automated tests. Finally, you will be guided through building a full-blown helpdesk module from scratch. By the end of this book, you will have learned a wide range of techniques to extend and customize your Magento 2 store to fit the requirements of your business. Style and approach This book is a mix of theoretical and step-by-step approaches, explained in a conversational and easy-to-follow style. Topics are explained sequentially, giving detailed explanations of the basic and advanced features to get you working on Magento 2.

Puppet 4.10 Beginner's Guide Aug 03 2020 Puppet is great for developers, system administrators, IT professionals, and anyone laying the foundation for DevOps practices – this comprehensive guide will get you up to speed, all the way from installation to automation to the latest features of Puppet 4.10. About This Book Develop skills to run Puppet 4.10 on single or multiple servers without hiccups Use Puppet to spin up and manage cloud resources such as Amazon EC2 instances Take full advantage of the powerful new features of Puppet 4.10, including

loops, data types, structured facts, R10K module management, control repos, and EPP templates Who This Book Is For Puppet Beginner's Guide, Second Edition is designed for those who are new to Puppet, including system administrators and developers who are looking to manage computer server systems for configuration management. No prior programming or system administration experience is assumed. What You Will Learn Covers the latest Puppet 4.10 release Install and set up Puppet and discover the latest and most advanced features Configure, build, and run containers in production using Puppet's industry-leading Docker support Deploy configuration files and templates at super-fast speeds and manage user accounts and access control Automate your IT infrastructure Use the latest features in Puppet 4 onward and its official modules Manage clouds, containers, and orchestration Get to know the best practices to make Puppet more reliable and increase its performance In Detail Puppet 4.10 Beginner's Guide, Second Edition, gets you up and running with the very latest features of Puppet 4.10, including Docker containers, Hiera data, and Amazon AWS cloud orchestration. Go from beginner to confident Puppet user with a series of clear, practical examples to help you manage every aspect of your server setup. Whether you're a developer, a system administrator, or you are simply curious about Puppet, you'll learn Puppet skills that you can put into practice right away. With practical steps giving you the key concepts you need, this book teaches you how to install packages and config files, create users, set up scheduled jobs, provision cloud instances, build containers, and so much more. Every example in this book deals with something real and practical that you're likely to need in your work, and you'll see the complete Puppet code that makes it happen, along with step-by-step instructions for what to type and what output you'll see. All the examples are available in a GitHub repo for you to download and adapt for your own server setup. Style and approach This tutorial is packed with quick step-by-step instructions that are immediately applicable for beginners. This is an easy-to-read guide, to learn Puppet from scratch, that explains simply and clearly all you need to know to use this essential IT power tool, while applying these solutions to real-world scenarios.

VirtualBox Oct 29 2022 VIRTUALBOX An Ultimate Guide Book on Virtualization with VirtualBox This book is a guide to the user on how to use the VirtualBox. It begins by explaining what VirtualBox is, the reason why it is used,and how it is used. The next part is a guide to how one can install the VirtualBox in either Windows or the Linux operating systems. The book will guide you on the various installation steps for VirtualBox in these operating systems. The book then explores how a virtual machine can be created on the VirtualBox. You will learn how to choose the appropriate size for the VirtualBox, as well as how to choose the storage media for the virtual machine. You will also learn how to install and use Guest Additions in VirtualBox. Desktops are also explored, thus, the book will guide you on how to create them. Templates for the pool have also been discussed, and you will learn how to import them into the pool. Cloning of desktops in a pool is also discussed in detail, thus, you will know how to do it. This book will guide you on how to assign desktops to users. Once you have set up the desktop, the book will guide you on how to establish a connection to it. Management of desktops is also explored. The following topics are discussed: Definition Installation of VirtualBox Creating a New Virtual Machine Installation of Guest additions for the VirtualBox How to create the Desktops How to import a Template into the Pool How to set up the Cloning Personalized How to assign users to the Desktops Establishing a connection to the Desktop Management of the Desktops Set up a shared folder Enabling logging for the .MSI host installer of VirtualBox Network+ Guide to Networks Feb 09 2021 Readers master the technical skills and industry know-how required to begin an exciting career installing, configuring, and troubleshooting computer networks with the completely updated NETWORK+ GUIDE TO NETWORKS, 7E.

Readers prepare for success on CompTIA's Network+ N10-006 certification exam with fully mapped coverage of all objectives, including protocols, topologies, hardware, network design, and troubleshooting. New interactive features cater to the grazing reader, making essential information easily accessible and helping learners visualize high-level concepts. This edition introduces the latest developing technology with a fresh, logical organization. New OSI layer icons visually link concepts and the OSI model. New and updated On the Job stories, Applying Concepts activities, Hands-On and Case Projects encourage further exploration of chapter concepts. This edition's emphasis on real-world problem solving provides the tools to succeed in any computing environment. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Puppet 5 Beginner's Guide Dec 27 2019 Puppet 5 Beginner's Guide, Third Edition is a practical guide that gets you up and running with the very latest features of Puppet 5. About This Book Develop skills to run Puppet 5 on single or multiple servers without hiccups Use Puppet to create and manage cloud resources such as Amazon EC2 instances Take full advantage of powerful new features of Puppet including loops, data types, Hiera integration, and container management Who This Book Is For Puppet 5 Beginner's Guide, Third Edition is designed for those who are new to Puppet, including system administrators and developers who are looking to manage computer server systems for configuration management. No prior programming or system administration experience is assumed. What You Will Learn Understand the latest Puppet 5 features Install and set up Puppet and discover the latest and most advanced features Configure, build, and run containers in production using Puppet's industry-leading Docker support Deploy configuration files and templates at super-fast speeds and manage user accounts and access control Automate your IT infrastructure Use the latest features in Puppet 5 onward and its official modules Manage clouds, containers, and orchestration Get to know the best practices to make Puppet more reliable and increase its performance In Detail Puppet 5 Beginner's Guide, Third Edition gets you up and running with the very latest features of Puppet 5, including Docker containers, Hiera data, and Amazon AWS cloud orchestration. Go from beginner to confident Puppet user with a series of clear, practical examples to help you manage every aspect of your server setup. Whether you're a developer, a system administrator, or you are simply curious about Puppet, you'll learn Puppet skills that you can put into practice right away. With practical steps giving you the key concepts you need, this book teaches you how to install packages and config files, create users, set up scheduled jobs, provision cloud instances, build containers, and so much more. Every example in this book deals with something real and practical that you're likely to need in your work, and you'll see the complete Puppet code that makes it happen, along with step-by-step instructions for what to type and what output you'll see. All the examples are available in a GitHub repo for you to download and adapt for your own server setup. Style and approach This tutorial is packed with quick step-by-step instructions that are immediately applicable for beginners. This is an easy-to-read guide, to learn Puppet from scratch, that explains simply and clearly all you need to know to use this essential IT power tool, while applying these solutions to real-world scenarios.

Building Your Next Big Thing with Google Cloud Platform Jun 01 2020 Building Your Next Big Thing with Google Cloud Platform shows you how to take advantage of the Google Cloud Platform technologies to build all kinds of cloud-hosted software and services for both public and private consumption. Whether you need a simple virtual server to run your legacy application or you need to architect a sophisticated high-traffic web application, Cloud Platform provides all the tools and products required to create innovative applications and a robust infrastructure to manage them. Google is known for the scalability, reliability, and efficiency of its various online products, from

Google Search to Gmail. And, the results are impressive. Google Search, for example, returns results literally within fractions of second. How is this possible? Google custom-builds both hardware and software, including servers, switches, networks, data centers, the operating system's stack, application frameworks, applications, and APIs. Have you ever imagined what you could build if you were able to tap the same infrastructure that Google uses to create and manage its products? Now you can! Building Your Next Big Thing with Google Cloud Platform shows you how to take advantage of the Google Cloud Platform technologies to build all kinds of cloud-hosted software and services for both public and private consumption. Whether you need a simple virtual server to run your legacy application or you need to architect a sophisticated high-traffic web application, Cloud Platform provides all the tools and products required to create innovative applications and a robust infrastructure to manage them. Using this book as your compass, you can navigate your way through the Google Cloud Platform and turn your ideas into reality. The authors, both Google Developer Experts in Google Cloud Platform, systematically introduce various Cloud Platform products one at a time and discuss their strengths and scenarios where they are a suitable fit. But rather than a manual-like "tell all" approach, the emphasis is on how to Get Things Done so that you get up to speed with Google Cloud Platform as quickly as possible. You will learn how to use the following technologies, among others: Google Compute Engine Google App Engine Google Container Engine Google App Engine Managed VMs Google Cloud SQL Google Cloud Storage Google Cloud Datastore Google BigQuery Google Cloud Dataflow Google Cloud DNS Google Cloud Pub/Sub Google Cloud Endpoints Google Cloud Deployment Manager Author on Google Cloud Platform Google APIs and Translate API Using real-world examples, the authors first walk you through the basics of cloud computing, cloud terminologies and public cloud services. Then they dive right into Google Cloud Platform and how you can use it to tackle your challenges, build new products, analyze big data, and much more. Whether you're an independent developer, startup, or Fortune 500 company, you have never had easier to access to world-class production, product development, and infrastructure tools. Google Cloud Platform is your ticket to leveraging your skills and knowledge into making reliable, scalable, and efficient products—just like how Google builds its own products.

Complete Guide to Open Source Big Data Stack Apr 30 2020 See a Mesos-based big data stack created and the components used. You will use currently available Apache full and incubating systems. The components are introduced by example and you learn how they work together. In the Complete Guide to Open Source Big Data Stack, the author begins by creating a private cloud and then installs and examines Apache Brooklyn. After that, he uses each chapter to introduce one piece of the big data stack—sharing how to source the software and how to install it. You learn by simple example, step by step and chapter by chapter, as a real big data stack is created. The book concentrates on Apache-based systems and shares detailed examples of cloud storage, release management, resource management, processing, queuing, frameworks, data visualization, and more. What You'll Learn Install a private cloud onto the local cluster using Apache cloud stack Source, install, and configure Apache: Brooklyn, Mesos, Kafka, and Zeppelin See how Brooklyn can be used to install Mule ESB on a cluster and Cassandra in the cloud Install and use DCOS for big data processing Use Apache Spark for big data stack data processing Who This Book Is For Developers, architects, IT project managers, database administrators, and others charged with developing or supporting a big data system. It is also for anyone interested in Hadoop or big data, and those experiencing problems with data size.

Cisco Certified CyberOps Associate 200-201 Certification Guide Mar 30 2020 Begin a successful career in cybersecurity operations by achieving Cisco Certified CyberOps Associate 200-201 certification Key Features Receive expert guidance on how to kickstart your career in

the cybersecurity industryGain hands-on experience while studying for the Cisco Certified CyberOps Associate certification examWork through practical labs and exercises mapped directly to the exam objectives Book Description Achieving the Cisco Certified CyberOps Associate 200-201 certification helps you to kickstart your career in cybersecurity operations. This book offers up-to-date coverage of 200-201 exam resources to fully equip you to pass on your first attempt. The book covers the essentials of network security concepts and shows you how to perform security threat monitoring. You'll begin by gaining an in-depth understanding of cryptography and exploring the methodology for performing both host and network-based intrusion analysis. Next, you'll learn about the importance of implementing security management and incident response strategies in an enterprise organization. As you advance, you'll see why implementing defenses is necessary by taking an in-depth approach, and then perform security monitoring and packet analysis on a network. You'll also discover the need for computer forensics and get to grips with the components used to identify network intrusions. Finally, the book will not only help you to learn the theory but also enable you to gain much-needed practical experience for the cybersecurity industry. By the end of this Cisco cybersecurity book, you'll have covered everything you need to pass the Cisco Certified CyberOps Associate 200-201 certification exam, and have a handy, on-the-job desktop reference guide. What you will learn Incorporate security into your architecture to prevent attacksDiscover how to implement and prepare secure designsIdentify access control models for digital assetsIdentify point of entry, determine scope, contain threats, and remediateFind out how to perform malware analysis and interpretationImplement security technologies to detect and analyze threats Who this book is for This book is for students who want to pursue a career in cybersecurity operations, threat detection and analysis, and incident response. IT professionals, network security engineers, security operations center (SOC) engineers, and cybersecurity analysts looking for a career boost and those looking to get certified in Cisco cybersecurity technologies and break into the cybersecurity industry will also benefit from this book. No prior knowledge of IT networking and cybersecurity industries is needed.

Big Data Architect's Handbook Sep 16 2021 A comprehensive end-to-end guide that gives hands-on practice in big data and Artificial Intelligence Key Features Learn to build and run a big data application with sample code Explore examples to implement activities that a big data architect performs Use Machine Learning and AI for structured and unstructured data Book Description The big data architects are the "masters" of data, and hold high value in today's market. Handling big data, be it of good or bad quality, is not an easy task. The prime job for any big data architect is to build an end-to-end big data solution that integrates data from different sources and analyzes it to find useful, hidden insights. Big Data Architect's Handbook takes you through developing a complete, end-to-end big data pipeline, which will lay the foundation for you and provide the necessary knowledge required to be an architect in big data. Right from understanding the design considerations to implementing a solid, efficient, and scalable data pipeline, this book walks you through all the essential aspects of big data. It also gives you an overview of how you can leverage the power of various big data tools such as Apache Hadoop and ElasticSearch in order to bring them together and build an efficient big data solution. By the end of this book, you will be able to build your own design system which integrates, maintains, visualizes, and monitors your data. In addition, you will have a smooth design flow in each process, putting insights in action. What you will learn Learn Hadoop Ecosystem and Apache projects Understand, compare NoSQL database and essential software architecture Cloud infrastructure design considerations for big data Explore application scenario of big data tools for daily activities Learn to analyze and visualize results to uncover valuable insights Build and run a big data application with sample code from end to end Apply

Machine Learning and AI to perform big data intelligence Practice the daily activities performed by big data architects Who this book is for Big Data Architect's Handbook is for you if you are an aspiring data professional, developer, or IT enthusiast who aims to be an all-round architect in big data. This book is your one-stop solution to enhance your knowledge and carry out easy to complex activities required to become a big data architect.

Certified Ethical Hacker (CEH) Foundation Guide Oct 25 2019 Prepare for the CEH training course and exam by gaining a solid foundation of knowledge of key fundamentals such as operating systems, databases, networking, programming, cloud, and virtualization. Based on this foundation, the book moves ahead with simple concepts from the hacking world. The Certified Ethical Hacker (CEH) Foundation Guide also takes you through various career paths available upon completion of the CEH course and also prepares you to face job interviews when applying as an ethical hacker. The book explains the concepts with the help of practical real-world scenarios and examples. You'll also work with hands-on exercises at the end of each chapter to get a feel of the subject. Thus this book would be a valuable resource to any individual planning to prepare for the CEH certification course. What You Will Learn Gain the basics of hacking (apps, wireless devices, and mobile platforms) Discover useful aspects of databases and operating systems from a hacking perspective Develop sharper programming and networking skills for the exam Explore the penetration testing life cycle Bypass security appliances like IDS, IPS, and honeypots Grasp the key concepts of cryptography Discover the career paths available after certification Revise key interview questions for a certified ethical hacker Who This Book Is For Beginners in the field of ethical hacking and information security, particularly those who are interested in the CEH course and certification.

Alfresco One 5.x Developer's Guide Nov 25 2019 Discover what it means to be an expert developer by exploring the latest features available to you in Alfresco One 5.x About This Book Create reliable and secure enterprise apps with the latest Alfresco One 5.x platform Explore all the latest Alfresco One 5.x APIs such as the CMIS API, Alfresco One API, and the integrated RESTful API to get more out of your enterprise apps Unleash the power of the latest JavaScript engine and the JavaScript API for Alfresco to customize your existing apps for the Alfresco 5 platform Who This Book Is For If you're an enterprise app developer who wants to create custom applications with Alfresco, then this book is for you. Previous knowledge with Alfresco would be helpful but is not necessary. What You Will Learn Create and manage a custom content model Configure the Alfresco Share user interface Build a new AngularJS 2.0 application Create business process definitions using Activiti Designer Discover the most common extensions provided by Alfresco Configure Alfresco to authenticate against LDAP, including & chaining" LDAP with Alfresco authentication Get familiar with the latest features of Alfresco Mobile SDK, Smart Search, and the new Angular framework In Detail Do you want to create more reliable and secure solutions for enterprise apps? Alfresco One 5.x is your gateway to developing the best industry-standard enterprise apps and this book will help you to become a pro with Alfresco One 5.x development. This book will help you create a complete fully featured app for your organization and while you create that perfect app, you will explore and implement the new and intriguing features of Alfresco. The book starts with an introduction to the Alfresco platform and you'll see how to configure and customize it. You will learn how to work with the content in a content management system and how you can extend it to your own use case. Next, you will find out how to work with Alfresco Share, an all-purpose user interface for general document management, and customize it. Moving on, you write web scripts that create, read, and delete data in the back-end repository. Further on from that, you'll work

with a set of tools that Alfresco provides; to generate a basic AnglularJS application supporting use cases, to name a few authentication, document list, document view. Finally, you'll learn how to develop your own Alfresco Mobile app and understand how Smart Folders and Search manager work. By the end of the book, you'll know how to configure Alfresco to authenticate against LDAP, be able to set up Single Sign-On (SSO), and work with Alfresco's security services. Style and approach This book takes a step-by-step practical tutorial-style approach helping you create a complete enterprise app using Alfresco.

CompTIA A+ Complete Study Guide May 24 2022 The definitive Sybex guide to A+ certification, fully updated for the latest exams The CompTIA A+ Complete Study Guide, Fourth Edition is your ultimate preparation guide for Exams 220-1001 and 220-1002. Covering 100 percent of the objectives for both exams, this book gets you up to speed on essential A+ knowledge and skills. Master the critical competencies associated with hardware and software, system maintenance, troubleshooting, connectivity, and more—with practical examples drawn from real-world experience, you'll develop the skill set employers demand in today's IT environment. End-of-chapter reviews help you gauge your progress and stay on track for success, while exam highlights give you a sneak preview of what to expect on the big day. You also get access to the Sybex online test bank, featuring electronic flashcards, a searchable glossary, and 4 practice exams to help you study from anywhere, any time—track your progress and test your understanding with interactive study tools. CompTIA A+ certification is the industry-leading standard for IT professionals. Hundreds of companies require their computer technicians to hold this valuable credential. Now in its fourth edition, this revised and updated study guide includes expanded coverage of virtualization and cloud computing, mobile hardware installation, network security, and more, to reflect the latest changes in the A+ exam. Providing all the information you need to earn your A+ certification, this invaluable resource will help you: Master the basics of hardware, software, and peripherals Understand and troubleshoot network connectivity issues Install and configure Windows, iOS, Android, Apple OSX, and Linux operating systems The CompTIA A+ Complete Study Guide, Fourth Edition arms you with the tools and knowledge necessary to take your skills to the next level. Whether a first-time candidate or IT professional in need of recertification, this essential study guide will help you prepare, practice, and pass with minimal burden and maximum results.