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Linux Commands, C, C++, Java and Python Exercises For Beginners - Manjunath.R 2020-03-27

"Hands-On Practice for Learning Linux and Programming Languages from Scratch" Are you new to Linux and programming? Do you want to learn Linux commands and programming languages like C, C++, Java, and Python but don't know where to start? Look no further! An approachable manual for new and experienced programmers that introduces the programming languages C, C++, Java, and Python. This book is for all programmers, whether you are a novice or an experienced pro. It is designed for an introductory course that provides beginning engineering and computer science students with a solid foundation in the fundamental concepts of computer programming. In this comprehensive guide, you will learn the essential Linux commands that every beginner should know, as well as gain practical experience with programming exercises in C, C++, Java, and Python. It also offers valuable perspectives on important computing concepts through the development of programming and problem-solving skills using the languages C, C++, Java, and Python. The beginner will find its carefully paced exercises especially helpful. Of course, those who are already familiar with programming are likely to derive more benefits from this book. After reading this book you will find yourself at a moderate level of expertise in C, C++, Java and Python, from which you can take yourself to the next levels. The command-line interface is one of the nearly all well built trademarks of Linux. There exists an ocean of Linux commands, permitting you to do nearly everything you can be under the impression of doing on your Linux operating system. However, this, at the end of time, creates a problem: because of all of so copious commands accessible to manage, you don't comprehend where and at which point to fly and learn them, especially when you are a learner. If you are facing this problem, and are peering for a painless method to begin your command line journey in Linux, you've come to the right place-as in this book, we will launch you to a hold of well liked and helpful Linux commands. This book gives a thorough introduction to the C, C++, Java, and Python programming languages, covering everything from fundamentals to advanced concepts. It also includes various exercises that let you put what you learn to use in the real world. With step-by-step instructions and plenty of examples, you'll build your knowledge and confidence in Linux and programming as you progress through the exercises. By the end of the book, you'll have a solid foundation in Linux commands and programming concepts, allowing you to take your skills to the next level. Whether you're a student, aspiring programmer, or curious hobbyist, this book is the perfect resource to start your journey into the exciting world of Linux and programming!

Using Samba - Robert Eckstein 2000

Index.

Critical Terms for Media Studies - W. J. T. Mitchell 2010-03-15

Communications, philosophy, film and video, digital culture: media studies straddles an astounding array of fields

and disciplines and produces a vocabulary that is in equal parts rigorous and intuitive. Critical Terms for Media Studies defines, and at times, redefines, what this new and hybrid area aims to do, illuminating the key concepts behind its liveliest debates and most dynamic topics. Part of a larger conversation that engages culture, technology, and politics, this exciting collection of essays explores our most critical language for dealing with the qualities and modes of contemporary media. Edited by two outstanding scholars in the field, W. J. T. Mitchell and Mark B. N. Hansen, the volume features works by a team of distinguished contributors. These essays, commissioned expressly for this volume, are organized into three interrelated groups: "Aesthetics" engages with terms that describe sensory experiences and judgments, "Technology" offers entry into a broad array of technological concepts, and "Society" opens up language describing the systems that allow a medium to function. A compelling reference work for the twenty-first century and the media that form our experience within it, Critical Terms for Media Studies will engage and deepen any reader's knowledge of one of our most important new fields.

Linux DNS Server Administration - Craig Hunt 2000

Geared especially toward professional Linux administrators, this book--part of an eight-book set from the Craig Hunt Linux Library--provides advanced treatment of Domain Name Service (DNS), a server that translates Internet protocol addresses into the URLs humans use.

Windows 2000 Automated Deployment and Remote Administration - Christa Anderson 2001-09-18

Authoritative Answers to All Your Auto Deployment and Remote Administration Questions Help You Reduce Your Administrative Effort This is the most complete, most advanced coverage of Windows 2000's Deployment and Remote Administration capabilities you'll find anywhere. Written by a noted Windows 2000 expert, Windows 2000 Automated Deployment and Remote Administration teaches you, step-by-step, all the standard and advanced techniques, and includes hundreds of clear, consistent examples that illustrate these techniques in detail--so you stay on track and accomplish the bottom-line goal: reduced administration computing. Coverage includes: * Understanding reduced administration concepts * Understanding Windows 2000's management structure * Choosing deployment tools * Assessing deployment strategies * Carrying out unattended installations * Using SysPrep to image existing systems * Using Remote Installation Services * Setting up application deployment * Writing VB scripts that speed and simplify your work * Building Web interfaces for remote administration * Implementing your VB scripts About the Series The Mark Minasi Windows 2000 Series is designed to equip system administrators with in-depth technical solutions to the many challenges associated with administering Windows 2000 in an enterprise setting. The series editor is leading Windows NT/2000 expert Mark Minasi, who selects the topics and authors and develops and reviews each book to ensure that every entry in the series meets your needs and helps you achieve your goals.

Building Internet Firewalls - Elizabeth D. Zwicky 2000-06-26

In the five years since the first edition of this classic book was published, Internet use has exploded. The commercial world has rushed headlong into doing business on the Web, often without integrating sound security technologies and policies into their products and methods. The security risks--and the need to protect both business and personal data--have never been greater. We've updated Building Internet Firewalls to address these newer risks. What kinds of security threats does the Internet pose? Some, like password attacks and the exploiting of known security holes, have been around since the early days of networking. And others, like the distributed denial of service attacks that crippled Yahoo, E-Bay, and other major e-commerce sites in early 2000, are in current headlines. Firewalls, critical components of today's computer networks, effectively protect a system from most Internet security threats. They keep damage on one part of the network--such as eavesdropping, a worm program, or file damage--from spreading to the rest of the network. Without firewalls, network security problems can rage out of control, dragging more and more systems down. Like the bestselling and highly respected first edition, Building Internet Firewalls, 2nd Edition, is a practical and detailed step-by-step guide to designing and installing firewalls and configuring Internet services to work with a firewall. Much expanded to include Linux and Windows coverage, the second edition describes: Firewall technologies: packet filtering, proxying, network address translation, virtual private networks Architectures such as screening routers, dual-homed hosts, screened hosts, screened subnets, perimeter networks, internal firewalls Issues involved in a variety of new Internet services and protocols through a firewall Email and News Web services and scripting languages (e.g., HTTP, Java, JavaScript, ActiveX, RealAudio, RealVideo) File transfer and sharing services such as NFS, Samba Remote access services such as Telnet, the BSD "r" commands, SSH, BackOrifice 2000 Real-time conferencing services such as ICQ and talk Naming and directory services (e.g., DNS, NetBT, the Windows Browser) Authentication and auditing services (e.g., PAM, Kerberos, RADIUS); Administrative services (e.g., syslog, SNMP, SMS, RIP and other routing protocols, and ping and other network diagnostics) Intermediary protocols (e.g., RPC, SMB, CORBA, IIOP) Database protocols (e.g., ODBC, JDBC, and protocols for Oracle, Sybase, and Microsoft SQL Server) The book's complete list of resources includes the location of many publicly available firewall construction tools.

Linux Apache Web Server Administration - Charles Aulds 2002-10-14

Authoritative Answers to All Your Apache Questions--Now Updated to Cover Apache 2.0 Linux Apache Web Server Administration is the most complete, most advanced guide to the Apache Web server you'll find anywhere. Written by a leading Apache expert--and now updated to cover Apache 2.0--this book teaches you, step-by-step, all the standard and advanced techniques you need to know to administer Apache on a Linux box. Hundreds of clear, consistent examples illustrate these techniques in detail--so you stay on track and accomplish all your goals. Coverage includes: * Compiling Apache from source code * Creating and hosting virtual web sites * Using Server-Side Includes to create Web pages with dynamic content * Using Apache directives to configure your site * Extending Apache using add-on modules * Using the Common Gateway Interface for web programming * Enhancing the performance of CGI programs with FastCGI and mod_perl * Installing Apache support for PHP * Extending Apache to run Java servlets or Java Server Pages * Attaching Apache to a database server * Using URL rewriting for increased request-handling flexibility * Implementing user authentication * Adding Secure Sockets Layer for enhanced system security * Customizing Apache's log formats The Craig Hunt Linux Library The Craig Hunt Linux Library provides in-depth, advanced coverage of the key topics for Linux administrators. Topics include Samba, System Administration, DNS Server Administration, Network Servers, Security, and Sendmail. Each book in the series is either written by or meticulously reviewed by Craig Hunt to ensure the highest quality and most complete coverage for networking professionals working specifically in Linux environments.

The Shellcoder's Handbook - Chris Anley 2011-02-16

This much-anticipated revision, written by the ultimate group of top security experts in the world, features 40 percent new content on how to find security holes in any operating system or application New material addresses the many new exploitation techniques that have been discovered since the first edition, including attacking "unbreakable" software packages such as McAfee's Enterccept, Mac OS X, XP, Office 2003, and Vista Also features the first-ever published information on exploiting Cisco's IOS, with content that has never before been explored The companion Web site features downloadable code files

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.

RHCE: Red Hat Certified Engineer Exam Notes - Bill McCarty 2001-01-17

RHCE: Red Hat Certified Engineer Exam Notes provides the fastest and most effective way to make sure you're ready to pass the Red Hat Certified Engineer exam. The unique, innovative Exam Notes approach helps you gain and retain the knowledge you need, study point by study point Critical Information sections provide detailed analyses of the key issues for each study point Necessary Procedures sections cover the nuts and bolts of each topic with concise step-by-step instructions. Exam Essentials sections highlight crucial subject areas you'll need to know for the exam. Key Terms and Concepts sections define the words and concepts vital to passing the exam. Sample Questions sections preview the types of questions found in the exam and give answers and explanations.

Essential System Administration - Eileen Frisch 2002-08-23

Essential System Administration, 3rd Edition is the definitive guide for Unix system administration, covering all the fundamental and essential tasks required to run such divergent Unix systems as AIX, FreeBSD, HP-UX, Linux, Solaris, Tru64 and more. Essential System Administration provides a clear, concise, practical guide to the real-world issues that anyone responsible for a Unix system faces daily. The new edition of this indispensable reference has been fully updated for all the latest operating systems. Even more importantly, it has been extensively revised and expanded to consider the current system administrative topics that administrators need most. Essential System Administration, 3rd Edition covers: DHCP, USB devices, the latest automation tools, SNMP and network management, LDAP, PAM, and recent security tools and techniques. Essential System Administration is comprehensive. But what has made this book the guide system administrators turn to over and over again is not just the sheer volume of valuable information it provides, but the clear, useful way the information is presented. It discusses the underlying higher-level concepts, but it also provides the details of the procedures needed to carry

them out. It is not organized around the features of the Unix operating system, but around the various facets of a system administrator's job. It describes all the usual administrative tools that Unix provides, but it also shows how to use them intelligently and efficiently. Whether you use a standalone Unix system, routinely provide administrative support for a larger shared system, or just want an understanding of basic administrative functions, *Essential System Administration* is for you. This comprehensive and invaluable book combines the author's years of practical experience with technical expertise to help you manage Unix systems as productively and painlessly as possible.

Mastering Microsoft Windows Server 2008 R2 - Mark Minasi 2010-03-30

The one book you absolutely need to get up and running with Windows Server 2008 R2. One of the world's leading Windows authorities and top-selling author Mark Minasi explores every nook and cranny of the latest version of Microsoft's flagship network operating system, Windows Server 2008 R2, giving you the most in-depth coverage in any book on the market. Focuses on Windows Windows Server 2008 R2, the newest version of Microsoft's Windows' server line of operating system, and the ideal server for new Windows 7 clients Author Mark Minasi is one of the world's leading Windows authorities and has taught tens of thousands of people to design and run Windows networks Covers Windows storage concepts and skills, Windows Server 2008 IP, WINS, NetBIOS, LMHosts, DNS, creating the simple Active Directory, and creating and managing user accounts Explains Group Policy in Active Directory; files, folders and shares; Sysvol, old and new; sharing printers on the network; remote server administration; connecting Windows clients to your network; working the Web with IIS 7.0; and AD maintenance and recovery Provides workarounds for things that don't quite work as they should and how-tos for many undocumented features Find out everything you want to know-and then some!

Mastering Kylix 2 - Marco Cantu 2002

Kylix is Borland's new tool, based on Delphi, for developing applications that run on the Linux operating system. In this book, best-selling Mastering Delphi author Marco Cantu tackles all aspects of using the tool. Whether you are a Delphi developer who wants to learn Linux development, or you are a Linux developer who wants to learn how to use the Kylix toolset, this is the reference you need. You get coverage of the essentials of the Object Pascal language, building the user interface, working with forms, writing Delphi components, and developing database, client/server, and Web applications. You also learn how to create XML-based Web Services with Kylix. The companion CD-ROM has all the source code from the book, the Open Source Edition of Kylix, useful utilities, and electronic references to Pascal and SQL. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Linux Server Security - Michael D. Bauer 2005

Provides advice on ways to ensure network security, covering such topics as DNS, Apache web server, OpenLDAP, email encryption, Cyrus IMAP service, and FTP server.

Linux Security - Ramón J. Hontañón 2006-02-20

Authoritative Answers to All Your Linux Security Questions—Specifically for Linux Administrators This is the most complete, most advanced guide to Linux security you'll find anywhere. Written by a Linux security expert with over a decade of experience, Linux Security teaches you, step-by-step, all the standard and advanced techniques you need to know to keep your Linux environment safe from threats of all kinds. Hundreds of clear, consistent examples illustrate these techniques in detail—so you stay on track and accomplish all your goals. Coverage includes: Understanding information and system security procedures Developing a corporate security policy Designing and deploying an effective system and network monitoring strategy Managing the network services offered by Linux servers Understanding Sendmail security, including authentication and privacy Providing application-level mail security using PGP Designing and deploying an Apache HTTP server, including

SSL extensions Securing your Samba server Building a network layer firewall using IPtables and Linux kernel v.2.4 Using the NEC SOCKS5 transport layer firewall Deploying the TIS firewall toolkit Offering secure remote connectivity with IPsec and PPTP VPNs Adding strong user authentication to Linux servers using Kerberos Understanding the Linux Pluggable Authentication Modules (PAM)

Linux for Windows? Administrators - Mark Minasi 2002-12-10

Practical Linux Instruction, From the Expert Who Taught You Windows There was a time when people asked, "Windows or Linux?" Now it's a question of how to make the most of both. Linux for Windows Administrators is an essential resource for anyone working in the real world of enterprise computing. Inside, renowned Windows expert Mark Minasi and Linux guru Dan York give you practical, in-depth Linux instruction that dovetails perfectly with what you already know about Windows. It's the best way for you to give your organization the best of both worlds. Coverage includes: * Understanding Linux's strengths and weaknesses * Understanding Linux's differences from, and similarities to, Windows * Installing and configuring Linux * Administering Linux from the command line * Setting up Linux on minimal hardware—even a Pentium 100 * Understanding how open source works * Using Samba to make a Linux box emulate an NT/2000 file server * Using NIS and NFS to create the Linux equivalent of an NT/2000 domain * Using Winbind to make Linux recognize Windows user accounts * Tapping the speed and reliability of sendmail * Configuring Linux GUIs: X Window, window managers, and desktop environments * Modifying and recompiling the Linux kernel

Linux Sendmail Administration - Craig Hunt 2006-07-14

Authoritative Answers to All Your Sendmail Questions—Specifically for Linux Administrators Linux Sendmail Administration is the most complete, most advanced guide to Sendmail you'll find anywhere. Written by one of today's most renowned Linux experts, this book teaches you, step-by-step, all the standard and advanced techniques you need to know to install, configure, and maintain Sendmail. Hundreds of clear, consistent examples illustrate these techniques in detail—so you stay on track and accomplish all your goals. Coverage includes: Understanding Internet mail protocols and multimedia extensions Understanding e-mail architecture and the role of Sendmail Installing Sendmail source or a binary distribution on a Linux system Building a Sendmail configuration using the m4 language Analyzing and improving the Red Hat Sendmail configuration Using Sendmail databases to customize your configuration Understanding the sendmail.cf file and its commands Understanding ruleset and using rewrite rules to modify addresses Hiding usernames and hostnames Testing and debugging Sendmail configurations Controlling spam e-mail Securing a Sendmail server Using Sendmail cryptographic authentication techniques The Craig Hunt Linux Library The Craig Hunt Linux Library is a seven-book set that provides in-depth, advanced coverage of the key topics for Linux administrators. Topics include Samba Server Administration, System Administration, DNS Server Administration, Apache Web Server Administration, NFS and Automounter, and Linux Security. Each book in the series is either written by or meticulously reviewed by Craig Hunt to ensure the highest quality and most complete coverage for networking professionals working specifically in Linux environments.

TCP/IP Network Administration - Craig Hunt 2002-04-04

This complete guide to setting up and running a TCP/IP network is essential for network administrators, and invaluable for users of home systems that access the Internet. The book starts with the fundamentals -- what protocols do and how they work, how addresses and routing are used to move data through the network, how to set up your network connection -- and then covers, in detail, everything you need to know to exchange information via the Internet. Included are discussions on advanced routing protocols (RIPv2, OSPF, and BGP) and the gated software package that implements them, a tutorial on configuring important network services -- including DNS, Apache, sendmail, Samba, PPP, and DHCP -- as well as expanded chapters on troubleshooting and

security. TCP/IP Network Administration is also a command and syntax reference for important packages such as gated, pppd, named, dhcpd, and sendmail. With coverage that includes Linux, Solaris, BSD, and System V TCP/IP implementations, the third edition contains: Overview of TCP/IP Delivering the data Network services Getting startedM Basic configuration Configuring the interface Configuring routing Configuring DNS Configuring network servers Configuring sendmail Configuring Apache Network security Troubleshooting Appendices include dip, pppd, and chat reference, a gated reference, a dhcpd reference, and a sendmail reference This new edition includes ways of configuring Samba to provide file and print sharing on networks that integrate Unix and Windows, and a new chapter is dedicated to the important task of configuring the Apache web server. Coverage of network security now includes details on OpenSSH, stunnel, gpg, iptables, and the access control mechanism in xinetd. Plus, the book offers updated information about DNS, including details on BIND 8 and BIND 9, the role of classless IP addressing and network prefixes, and the changing role of registrars. Without a doubt, TCP/IP Network Administration, 3rd Edition is a must-have for all network administrators and anyone who deals with a network that transmits data over the Internet.

Learning Kali Linux - Ric Messier 2018-07-17

With more than 600 security tools in its arsenal, the Kali Linux distribution can be overwhelming. Experienced and aspiring security professionals alike may find it challenging to select the most appropriate tool for conducting a given test. This practical book covers Kali's expansive security capabilities and helps you identify the tools you need to conduct a wide range of security tests and penetration tests. You'll also explore the vulnerabilities that make those tests necessary. Author Ric Messier takes you through the foundations of Kali Linux and explains methods for conducting tests on networks, web applications, wireless security, password vulnerability, and more. You'll discover different techniques for extending Kali tools and creating your own toolset. Learn tools for stress testing network stacks and applications Perform network reconnaissance to determine what's available to attackers Execute penetration tests using automated exploit tools such as Metasploit Use cracking tools to see if passwords meet complexity requirements Test wireless capabilities by injecting frames and cracking passwords Assess web application vulnerabilities with automated or proxy-based tools Create advanced attack techniques by extending Kali tools or developing your own Use Kali Linux to generate reports once testing is complete

Principles of Network and System Administration - Mark Burgess 2000-07-31

A practical guide for meeting the challenges of planning and designing a network Network design has to be logical and efficient, decisions have to be made about what services are needed, and security concerns must be addressed. Focusing on general principles, this book will help make the process of setting up, configuring, and maintaining a network much easier. It outlines proven procedures for working in a global community of networked machines, and provides practical illustrations of technical specifics. Readers will also find broad coverage of Linux and other Unix versions, Windows(r), Macs, and mainframes. The author includes discussions on the social and ethical aspects of system administration.

Running Linux - Matt Welsh 1996

An introduction to Linux (a free UNIX-compatible operating system developed by volunteers on the internet) that covers installation and configuration; basic UNIX commands; system administration and maintenance; editors, text tools, and printing; applications; programming; and telecommunication. Annotation copyrighted by Book News, Inc., Portland, OR

Linux Network Administrator's Guide - Olaf Kirch 2000

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

Linux Network Servers - Craig Hunt 2006-10-11

Authoritative Answers to All Your Linux Network Server Questions--Specifically for Linux Administrators Tap into Linux's impressive capabilities as a network server. Written by one of the world's leading Linux system administration experts, Linux Network Servers teaches you, step-by-step, all the standard and advanced techniques you need to know to configure and administer a full range of network services, from file and printer sharing to email and the Web. Hundreds of clear, consistent examples illustrate these techniques in detail--so you stay on track and accomplish all your goals. Coverage includes the following: Installing Linux Understanding the boot process Working with the network interface Setting up login services Using Linux name services Configuring a mail server Setting up Apache Web server Configuring network gateway services Configuring desktop configuration server Setting up file sharing Setting up printer services Securing your server Troubleshooting The Craig Hunt Linux Library The Craig Hunt Linux Library provides in-depth, advanced coverage of the key topics for Linux administrators. Topics include Samba, System Administration, DNS Server Administration, Apache, Security, and Sendmail. Each book in the series is either written by or meticulously reviewed by Craig Hunt to ensure the highest quality and most complete coverage for networking professionals working specifically in Linux environments.

Linux Administration - Steve Shah 2001

Learn to install and administer Linux on an individual workstation or an entire network with this comprehensive in depth reference. You'll find everything you need to get up and running with any Linux distribution, including the latest version of Red Hat. Updated to cover the new 2.4 kernel and complete with an expanded section on advanced networking, this book shows you how to install and configure Linux, set up Internet services, handle single-host administration, and much more. Plus, you'll get eight pages of blueprints illustrating the differences between Linux and Windows NT/2000. If you are a professional administrator wanting to bring Linux into your network topology, a home user with multiple machines wanting to build a simple home network, or are migrating from Windows, then you need this book.

Using Samba - Jay Ts 2003

This book, which has been officially adopted by the Samba Team and is under the GNU Free Documentation License (FDL), is a comprehensive guide to Samba administration. The 2nd edition focuses on Samba 2.2 and covers the most important features of 3.0, which was under development as this book went to print. Samba is a cross-platform triumph: it turns a Unix or Linux system into a file and print server for Microsoft Windows network clients. Samba is so robust, flexible, fast, and secure that many people are choosing it over Windows NT/2000/XP for their file and print services. Samba is also free software, licensed under the GNU General Public License. This book will help you make file and print sharing as robust, powerful, and efficient as possible. The authors delve into the internals of the Windows activities and protocols to an unprecedented degree, explaining the strengths and weaknesses of each feature in Windows domains and in Samba itself. Using Samba takes you from basic installation and configuration--on both the client and server side, for a wide range of systems--to subtle details of security, cross-platform compatibility, and resource discovery that make the difference between whether a user sees the folder they expect or a cryptic error message. The range of this book knows few bounds. Wondering how to integrate Samba's authentication with that of a Windows PDC? How to get Samba to serve Microsoft Dfs shares? How to share files on Mac OS X? These and a dozen other issues of interest to system administrators are covered. A whole chapter is dedicated to troubleshooting. Whether you're playing on one note or a full three-octave range, on your personal computer or an enterprise network, Using Samba will give you an efficient and secure server.

Digital Forensics in the Era of Artificial Intelligence - Nour Moustafa 2022-07-18

Digital forensics plays a crucial role in identifying, analysing, and presenting cyber threats as evidence in a court of

law. Artificial intelligence, particularly machine learning and deep learning, enables automation of the digital investigation process. This book provides an in-depth look at the fundamental and advanced methods in digital forensics. It also discusses how machine learning and deep learning algorithms can be used to detect and investigate cybercrimes. This book demonstrates digital forensics and cyber-investigating techniques with real-world applications. It examines hard disk analytics and style architectures, including Master Boot Record and GUID Partition Table as part of the investigative process. It also covers cyberattack analysis in Windows, Linux, and network systems using virtual machines in real-world scenarios. Digital Forensics in the Era of Artificial Intelligence will be helpful for those interested in digital forensics and using machine learning techniques in the investigation of cyberattacks and the detection of evidence in cybercrimes.

Linux Journal - 2000-07

Linux NFS-HOWTO - Nicolai Langfeldt 2019-11-10

Summary This classic howto was written in 2002, but it is still a must-read howto for any Linux professionals today. It will guide you how to set up NFS clients and servers. This is a book you should have on your bookshelf.

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Linux Samba Server Administration. - Roderick W. Smith 2001

Linux For Dummies - Richard Blum 2009-07-17

One of the fastest ways to learn Linux is with this perennial favorite. Eight previous top-selling editions of Linux For Dummies can't be wrong. If you've been wanting to migrate to Linux, this book is the best way to get there. Written in easy-to-follow, everyday terms, Linux For Dummies 9th Edition gets you started by concentrating on two distributions of Linux that beginners love: the Ubuntu LiveCD distribution and the gOS Linux distribution, which comes pre-installed on Everex computers. The book also covers the full Fedora distribution. Linux is an open-source operating system and a low-cost or free alternative to Microsoft Windows; of numerous distributions of Linux, this book covers Ubuntu Linux, Fedora Core Linux, and gOS Linux, and includes them on the DVD. Install new open source software via Synaptic or RPM package managers Use free software to browse the Web, listen to

music, read e-mail, edit photos, and even run Windows in a virtualized environment Get acquainted with the Linux command line If you want to get a solid foundation in Linux, this popular, accessible book is for you. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Apache - Ben Laurie 2003

Describes the history of the Web server platform and covers downloading and compiling, configuring and running the program on UNIX, writing specialized modules, and establishing security routines.

Running Linux - Matthias Kalle Dalheimer 2005-12-22

You may be contemplating your first Linux installation. Or you may have been using Linux for years and need to know more about adding a network printer or setting up an FTP server. Running Linux, now in its fifth edition, is the book you'll want on hand in either case. Widely recognized in the Linux community as the ultimate getting-started and problem-solving book, it answers the questions and tackles the configuration issues that frequently plague users, but are seldom addressed in other books. This fifth edition of Running Linux is greatly expanded, reflecting the maturity of the operating system and the teeming wealth of software available for it. Hot consumer topics such as audio and video playback applications, groupware functionality, and spam filtering are covered, along with the basics in configuration and management that always have made the book popular. Running Linux covers basic communications such as mail, web surfing, and instant messaging, but also delves into the subtleties of network configuration--including dial-up, ADSL, and cable modems--in case you need to set up your network manually. The book can make you proficient on office suites and personal productivity applications--and also tells you what programming tools are available if you're interested in contributing to these applications. Other new topics in the fifth edition include encrypted email and filesystems, advanced shell techniques, and remote login applications. Classic discussions on booting, package management, kernel recompilation, and X configuration have also been updated. The authors of Running Linux have anticipated problem areas, selected stable and popular solutions, and provided clear instructions to ensure that you'll have a satisfying experience using Linux. The discussion is direct and complete enough to guide novice users, while still providing the additional information experienced users will need to progress in their mastery of Linux. Whether you're using Linux on a home workstation or maintaining a network server, Running Linux will provide expert advice just when you need it.

Linux Power Tools - Roderick W. Smith 2003-08-01

Step-by-Step Instructions Show You How to Supercharge Your Linux System Wondering if it's possible to work more efficiently in the X Window System, or squeeze more oomph from your existing hardware? Or perhaps you're searching for a way to improve your web browser's performance, or want to know how to choose the best mail server for your needs. If you've mastered the basics and are itching to go beyond, Linux Power Tools can take you there. Spanning a broad range of topics (from ALSA to zombies), Linux Power Tools covers the top five Linux distributions (Debian, Mandrake, Red Hat, Slackware, and SuSE). Using his easy-to-follow style, Linux expert Rod Smith shares his secrets for creating the optimum Linux system, from top to bottom. Coverage includes: * Optimizing Hardware * Creating the Perfect GUI Environment * Using Digital Image Tools * Fine-tuning the X Window System * Doing Real Work in Text Mode * Using Multiple Operating Systems * Managing Packages Efficiently * Optimizing Your Filesystem * Improving Network Performance * Preventing and Detecting Intrusions * Getting the Most From Your Web Server * Blocking That Obnoxious Spam Mail

Linux System Administration - Vicki Stanfield 2006-10-11

"Most Indispensable Linux Book" --2001 Linux Journal Readers Choice Awards Authoritative Answers to All Your Linux Questions You can rely on the fully updated second edition of Linux System Administration for answers to all your questions about installing, configuring, and administering Linux. Written by two Linux experts, this book

teaches you, step-by-step, all the standard and advanced techniques you need to know to set up and maintain a secure, effective Linux environment. Scores of clear, consistent examples illustrate these techniques in detail--so you stay on track and accomplish all your goals. Coverage includes: * Installing a Linux server * Setting up and maintaining user and group accounts * Setting up Linux system security * Sharing files using Samba and NFS * Implementing a backup strategy * Troubleshooting common Linux problems * Setting up the X Window System * Setting up TCP/IP and connecting to the Internet * Setting up a mail server * Maintaining filesystems and partitions * Configuring printers * Improving system performance * Writing shell scripts * Using Webmin for cross-distribution GUI administration

The Craig Hunt Linux Library The Craig Hunt Linux Library provides in-depth, advanced coverage of the key topics for Linux administrators. Topics include Samba, Network Servers, DNS Server Administration, Apache, Security, and Sendmail. Each book in the series is either written by or meticulously reviewed by Craig Hunt to ensure the highest quality and most complete coverage for networking professionals working specifically in Linux environments.

Security Complete - 2002-10-10

Explores computer security, discussing networks, Internet, Web sites, e-commerce, firewalls, detection, and prevention.

Linux Samba Server Administration - Roderick W. Smith 2006-07-14

Authoritative Answers to All Your Samba Questions Linux Samba Server Administration is the most complete, most advanced guide to Samba you'll find anywhere. Written by a leading Linux expert, this book teaches you, step-by-step, all the standard and advanced Samba techniques you'll need to make Linux and UNIX machines operate seamlessly as part of your Windows network. Throughout, scores of clear, consistent examples illustrate these techniques in detail--so you stay on track and accomplish all your goals. Coverage includes: Installing Samba Setting up file sharing Setting up printer sharing Using Samba as a client Setting up a working user authentication system Using automation to expand Samba's capabilities Setting up Samba as a domain controller Configuring NetBIOS name server functions Configuring Samba for optimal interoperation with other servers Managing user accounts Optimizing Samba for maximum speed Securing Samba against intrusion Using Samba as a backup server Troubleshooting Samba Configuring Samba to work with a variety of client OSs

About the Library The Craig Hunt Linux Library is an eight-book set that provides in-depth, advanced coverage of the key topics for Linux administrators. Topics include Samba, System Administration, Sendmail, Apache, NFS and Automounter, and Linux Security. Each book in the library is either written by or meticulously reviewed by Craig Hunt to ensure the highest quality and most complete coverage of networking professionals working specifically in Linux environments.

Using Samba - Gerald Carter 2007-01-23

This book is the comprehensive guide to Samba administration, officially adopted by the Samba Team. Wondering how to integrate Samba's authentication with that of a Windows domain? How to get Samba to serve Microsoft Dfs shares? How to share files on Mac OS X? These and a dozen other issues of interest to system administrators are covered. A whole chapter is dedicated to troubleshooting! The range of this book knows few bounds. Using Samba takes you from basic installation and configuration -- on both the client and server side, for a wide range of systems -- to subtle details of security, cross-platform compatibility, and resource discovery that make the difference between whether users see the folder they expect or a cryptic error message. The current edition covers such

advanced 3.x features as: Integration with Active Directory and OpenLDAP Migrating from Windows NT 4.0 domains to Samba Delegating administrative tasks to non-root users Central printer management Advanced file serving features, such as making use of Virtual File System (VFS) plugins. Samba is a cross-platform triumph: robust, flexible and fast, it turns a Unix or Linux system into a file and print server for Microsoft Windows network clients. This book will help you make your file and print sharing as powerful and efficient as possible. The authors delve into the internals of the Windows activities and protocols to an unprecedented degree, explaining the strengths and weaknesses of each feature in Windows domains and in Samba itself. Whether you're playing on your personal computer or an enterprise network, on one note or a full three-octave range, Using Samba will give you an efficient and secure server.

Linux NFS and Automounter Administration - Erez Zadok 2001

The Craig Hunt Linux Library provides the advanced information that Linux professionals and systems administrators need to keep their Linux servers up and running at maximum efficiency. Developed by noted Linux and TCP/IP guru Craig Hunt and written by acknowledged Linux experts, these books dig deeper into each of the eight key Linux topics -- Samba, Apache, DHCP, NFS and Automounter, Sendmail, DNS, security, and system administration -- than any other book on the market. -- Erez Zadok, creator of the latest release of Automounter Daemon (Amd) pens this comprehensive look inside the most popular Linux/Unix distributed file system. -- Learn how to install and configure Amd and NFS for optimum speed and reliability. -- This addition to the popular Craig Hunt Linux Library gives you an in-depth look at troubleshooting NFS access problems, server-side and client security, plus using the Automounter query tool (Amq).

RHCE - Bill McCarty 2006-02-20

The highly respected RHCE certification from Red Hat, Inc. indicates that the person has passed a realistic performance-based lab exam that tests his or her ability to install and configure Red Hat Linux, configure basic networking and file systems for a network, configure the X Window System, perform essential Red Hat Linux system administration, configure basic security for a network server, and carry out server diagnostics and troubleshooting. Red Hat recently updated the RHCE program for Red Hat Enterprise Linux, version 9.0. Previous edition ISBN: 0782127932.

Mastering?PHP 4.1 - Jeremy Allen 2002-04-22

Build Dynamic, Database-Driven Web Sites PHP is a fully developed, server-side embedded scripting language, and its importance for web application development has grown with the rise of the Apache web server. Are you a novice programmer? This book starts with the basics and takes you wherever you want to go. A seasoned pro? You'll be amazed at how much you can capitalize on PHP's power and object-oriented support, and how it leverages your knowledge of other languages. Finally, if you're a PHP user in search of an authoritative reference, you need look no further. Mastering PHP 4.1 guides you through all levels of real-world web programming problems and provides expert advice on which solutions work best. Coverage Includes: Reading and writing files Validating data with regular expressions Accessing MySQL and PostgreSQL databases Accessing LDAP servers Generating images and PDF documents on the fly Building authentication and access-control systems Sending e-mail and building web-to-e-mail interfaces Creating your own classes Closing common security holes in PHP scripts Parsing and generating XML documents Using sessions to store persistent data Debugging misbehaving scripts Encrypting and decrypting sensitive data Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.