

bringing Raspberry Pi to life. This book favors engineering principles over a 'recipe' approach to give you the skills you need to design and build your own projects. You'll understand the fundamental principles in a way that transfers to any type of electronics, electronic modules, or external peripherals, using a "learning by doing" approach that caters to both beginners and experts. The book begins with basic Linux and programming skills, and helps you stock your inventory with common parts and supplies. Next, you'll learn how to make parts work together to achieve the goals of your project, no matter what type of components you use. The companion website provides a full repository that structures all of the code and scripts, along with links to video tutorials and supplementary content that takes you deeper into your project. The Raspberry Pi's most famous feature is its adaptability. It can be used for thousands of electronic applications, and using the Linux OS expands the functionality even more. This book helps you get the most from your Raspberry Pi, but it also gives you the fundamental engineering skills you need to incorporate any electronics into any project. Develop the Linux and programming skills you need to build basic applications Build your inventory of parts so you can always "make it work" Understand interfacing, controlling, and communicating with almost any component Explore advanced applications with video, audio, real-world interactions, and more Be free to adapt and create with Exploring Raspberry Pi.

Preventing Web Attacks with Apache Ryan C. Barnett 2006-01-27 The only end-to-end guide to securing Apache Web servers and Web applications Apache can be hacked. As companies have improved perimeter security, hackers have increasingly focused on attacking Apache Web servers and Web applications. Firewalls and SSL won't protect you: you must systematically harden your Web application environment. Preventing Web Attacks with Apache brings together all the information you'll need to do that: step-by-step guidance, hands-on examples, and tested configuration files. Building on his groundbreaking SANS presentations on Apache security, Ryan C. Barnett reveals why your Web servers represent such a compelling target, how significant exploits are performed, and how they can be defended against. Exploits discussed include: buffer overflows, denial of service, attacks on vulnerable scripts and programs, credential sniffing and spoofing, client parameter manipulation, brute force attacks, web defacements, and more. Barnett introduces the Center for Internet Security Apache Benchmarks, a set of best-practice Apache security configuration actions and settings he helped to create. He addresses issues related to IT processes and your underlying OS; Apache downloading, installation, and configuration; application hardening; monitoring, and more. He also presents a chapter-length case study using actual Web attack logs and data captured "in the wild." For every sysadmin, Web professional, and security specialist responsible for Apache or Web application security.

Network Programming with Perl Lincoln D. Stein 2001 A text focusing on the methods and alternatives for designed TCP/IP-based client/server systems and advanced techniques for specialized applications with Perl. A guide examining a collection of the best third party modules in the Comprehensive Perl Archive Network. Topics covered: Perl function libraries and techniques that allow programs to interact with resources over a network. IO: Socket library ; Net: FTP library -- Telnet library -- SMTP library ; Chat problems ; Internet Message Access Protocol (IMAP) issues ; Markup-language parsing ; Internet Protocol (IP) broadcasting and multicasting.

AVIEN Malware Defense Guide for the Enterprise David Harley 2011-04-18 Members of AVIEN (the Anti-Virus Information Exchange Network) have been setting agendas in malware management for several years: they led the way on generic filtering at the gateway, and in the sharing of information about new threats at a speed that even anti-virus companies were hard-pressed to match. AVIEN members represent the best-protected large organizations in the world, and millions of users. When they talk, security vendors listen: so should you. AVIEN's sister organization AVIEWS is an invaluable meeting ground between the security vendors and researchers who know most about malicious code and anti-malware technology, and the top security administrators of AVIEN who use those technologies in real life. This new book uniquely combines the knowledge of these two groups of experts. Anyone who is responsible for the security of business information systems should be aware of this major addition to security literature. * "Customer Power" takes up the theme of the sometimes stormy relationship between the antivirus industry and its customers, and tries to dispel some common myths. It then considers the roles of the independent researcher, the vendor-employed specialist, and the corporate security specialist. * "Stalkers on Your Desktop" considers the thorny issue of malware nomenclature and then takes a brief historical look at how we got here, before expanding on some of the malware-related problems we face today. * "A Tangled Web" discusses threats and countermeasures in the context of the World Wide Web. * "Big Bad Bots" tackles bots and botnets, arguably Public Cyber-Enemy Number One. * "Crème de la CyberCrime" takes readers into the underworld of old-school virus writing, criminal business models, and predicting future malware hotspots. * "Defense in Depth" takes a broad look at DID in the enterprise, and looks at some specific tools and technologies. * "Perilous Outsourcing" offers sound advice on how to avoid the perils and pitfalls of outsourcing, incorporating a few horrible examples of how not to do it. * "Education in Education" offers some insights into user education from an educationalist's perspective, and looks at various aspects of security in schools and other educational establishments. * "DIY Malware Analysis" is a hands-on, hands-dirty approach to security management, considering malware analysis and forensics techniques and tools. * "Antivirus Evaluation & Testing" continues the D-I-Y theme, discussing at length some of the thorny issues around the evaluation and testing of antimlware software. * "AVIEN & AVIEWS: the Future" looks at future developments in AVIEN and AVIEWS. * Unique, knowledgeable, unbiased and hype-free commentary. * Written by members of the anti-malware community; most malware books are written by outsiders. * Combines the expertise

of truly knowledgeable systems administrators and managers, with that of the researchers who are most experienced in the analysis of malicious code, and the development and maintenance of defensive programs.

Linux: Powerful Server Administration Uday R. Sawant 2017-04-27 Get hands-on recipes to make the most of Ubuntu Server, CentOS 7 Linux Server and RHEL 7 Server About This Book Get Linux servers up and running in seconds, In-depth guide to explore new features and solutions in server administration Maintain performance and security of your server solution by deploying expert configuration advice Who This Book Is For This Learning Path is intended for system administrators with a basic understanding of Linux operating systems and written with the novice-to-intermediate Linux user in mind. To get the most of this Learning Path, you should have a working knowledge of basic system administration and management tools. What You Will Learn Set up high performance, scalable, and fault-tolerant back ends with web and database servers Facilitate team communication with a real-time chat service and collaboration tools Monitor, manage and develop your server's file system to maintain a stable performance Gain best practice methods on sharing files and resources through a network Install and configure common standard services such as web, mail, FTP, database and domain name server technologies Create kickstart scripts to automatically deploy RHEL 7 systems Use Orchestration and configuration management tools to manage your environment In Detail Linux servers are frequently selected over other server operating systems for their stability, security and flexibility advantages.This Learning Path will teach you how to get up and running with three of the most popular Linux server distros: Ubuntu Server, CentOS 7 Server, and RHEL 7 Server. We will begin with the Ubuntu Server and show you how to make the most of Ubuntu's advanced functionalities. Moving on, we will provide you with all the knowledge that will give you access to the inner workings of the latest CentOS version 7. Finally, touching RHEL 7, we will provide you with solutions to common RHEL 7 Server challenges.This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: 1) Ubuntu Server Cookbook 2) CentOS 7 Linux Server Cookbook, Second Edition 3) Red Hat Enterprise Linux Server Cookbook Style and approach This easy-to-follow practical guide contains hands on examples and solutions to real word administration problems and problems faced when building your RHEL 7 system from scratch using orchestration tools.

Crescent Over Another Horizon Maria del Mar Logroño Narbona 2015-09-15 Muslims have been shaping the Americas and the Caribbean for more than five hundred years, yet this interplay is frequently overlooked or misconstrued. Brimming with revelations that synthesize area and ethnic studies, Crescent over Another Horizon presents a portrait of Islam's unity as it evolved through plural formulations of identity, power, and belonging. Offering a Latino American perspective on a wider Islamic world, the editors overturn the conventional perception of Muslim communities in the New World, arguing that their characterization as "minorities" obscures the interplay of ethnicity and religion that continues to foster transnational ties. Bringing together studies of Iberian colonists, enslaved Africans, indentured South Asians, migrant Arabs, and Latino and Latin American converts, the volume captures the power-laden processes at work in religious conversion or resistance. Throughout each analysis—spanning times of inquisition, conquest, repressive nationalism, and anti-terror security protocols—the authors offer innovative frameworks to probe the ways in which racialized Islam has facilitated the building of new national identities while fostering a double-edged marginalization. The subjects of the essays transition from imperialism (with studies of morisco converts to Christianity, West African slave uprisings, and Muslim and Hindu South Asian indentured laborers in Dutch Suriname) to the contemporary Muslim presence in Argentina, Brazil, Mexico, and Trinidad, completed by a timely examination of the United States, including Muslim communities in "Hispanicized" South Florida and the agency of Latina conversion. The result is a fresh perspective that opens new horizons for a vibrant range of fields.

Apache HTTP Server 2.2 Official Documentation – Volume III. Modules (A-H) Apache Software Foundation 2010-04 The Apache HTTP Server 2.2 Official Documentation books covers all aspects of using and managing for the world's most popular web server.

The Food Chain Barbara Krasner 2018-12-15 Globalization has impacted many aspects of life, and the food chain is no exception. Approximately one-quarter of America's food supply is imported, and while food production and manufacturing companies financially benefit from sourcing food from other countries, regulating these food sources becomes increasingly difficult. How does food regulation and inspection differ between countries? What can be done to ensure food imported from other countries is safe for consumption, and how can we make sure people involved in the food production process around the world are treated ethically? Readers will explore the many considerations affecting the global food chain.

Foreign Policy of Iran under President Hassan Rouhani's First Term (2013-2017) Luciano Zaccara 2020-06-22 The book deals with President Hassan Rouhani's conceptual approach to foreign policy. It discusses the main pillars of thinking underpinning Rouhani's administration and the school of thought associated with it, with a focus on issues pertaining to development as well as international relations. The signature of the "Joint Comprehensive Plan of Action" in 2015 showed the Iranian commitment towards the international requests on guarantees and transparency on its nuclear enrichment program. The book analyses the actual impact of the nuclear deal on the Gulf regional politics, with especial emphasis on the Iran-Saudi Arabia balance of power and the internal implications at political and economic level. It will assess the success or failure of the nuclear deal JCPOA as a foreign policy tool and it impact for Iran and the region. The book also analyses Iran's relations with other gulf Arab states, Latin America, Africa and its 'war on terror' along with its allies Syria and Iraq.