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Cyber Operations Mike O'Leary 2019-03-01 Know how to set up, defend, and attack computer networks with this revised and expanded second edition. You will learn to configure your network from the ground up, beginning with developing your own private virtual test environment, then setting up your own DNS server and AD infrastructure. You will continue with more advanced network services, web servers, and database servers and you will end by building your own web applications servers, including WordPress and Joomla!. Systems from 2011 through 2017 are covered, including Windows 7, Windows 8, Windows 10, Windows Server 2012, and Windows Server 2016 as well as a range of Linux distributions, including Ubuntu, CentOS, Mint, and OpenSUSE. Key defensive techniques are integrated throughout and you will develop situational awareness of your network and build a complete defensive infrastructure, including log servers, network firewalls, web application firewalls, and intrusion detection systems. Of course, you cannot truly understand how to defend a network if you do not know how to attack it, so you will attack your test systems in a variety of ways. You will learn about Metasploit, browser attacks, privilege escalation, pass-the-hash attacks, malware, man-in-the-middle attacks, database attacks, and web application attacks. What You'll Learn Construct a testing laboratory to experiment with software and attack techniques Build realistic networks that include Active Directory, file servers, databases, web servers, and web applications such as WordPress and Joomla! Manage networks remotely with tools, including PowerShell, WMI, and WinRM Use offensive tools such as Metasploit, Mimikatz, Veil, Burp Suite, and John the Ripper Exploit networks starting from malware and initial intrusion to privilege escalation through password cracking and persistence mechanisms Defend networks by developing operational awareness using AuditD and Sysmon to analyze logs, and deploying defensive tools such as the Snort intrusion detection system, IPFire firewalls, and ModSecurity web application firewalls Who This Book Is For This study guide is intended for everyone involved in or interested in cybersecurity operations (e.g., cybersecurity professionals, IT professionals, business professionals, and students)

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.

The Internet Encyclopedia Hossein Bidgoli 2004 The Internet Encyclopedia in a 3-volume reference work on the internet as a business tool, IT platform, and communications and commerce medium.

Student Activism in Asia Meredith Leigh Weiss 2012 Since World War II, students in East and Southeast Asia have led protest movements that toppled authoritarian regimes in countries such as Indonesia, South Korea, and Thailand. Elsewhere in the region, student protests have shaken regimes until they were brutally suppressed--most famously in China's Tiananmen Square and in Burma. But despite their significance, these movements have received only a fraction of the notice that has been given to American and European student protests of the 1960s and 1970s. The first book in decades to redress this neglect, *Student Activism in Asia* tells the story of student protest movements across Asia. Taking an interdisciplinary, comparative approach, the contributors examine ten countries, focusing on those where student protests have been particularly fierce and consequential: China, Japan, Hong Kong, Taiwan, South Korea, Indonesia, Burma, Malaysia, Thailand, and the Philippines. They explore similarities and differences among student movements in these countries, paying special attention to the influence of four factors: higher education systems, students' collective identities, students' relationships with ruling regimes, and transnational flows of activist ideas and inspirations. The authors include leading specialists on student activism in each of the countries investigated. Together, these experts provide a rich picture of an important tradition of political protest that has ebbed and flowed but has left indelible marks on Asia's sociopolitical landscape. Contributors: Patricio N. Abinales, U of Hawaii, Manoa; Prajak Kongkirati, Thammasat U, Thailand; Win Min, Vahu Development Institute; Stephan Ortmann, City U of Hong Kong; Mi Park, Dalhousie U, Canada; Patricia G. Steinhoff, U of Hawaii, Manoa; Mark R. Thompson, City U of Hong Kong; Teresa Wright, California State U, Long Beach.

The Executive MBA in Information Security John J. Trinckes, Jr. 2011-06-03 According to the Brookings Institute, an organization's information and other intangible assets account for over 80 percent of its market value. As the primary sponsors and implementers of information security programs, it is essential for those in key leadership positions to possess a solid understanding of the constantly evolving fundamental concepts of information security management. Developing this knowledge and keeping it current however, requires the time and energy that busy executives like you simply don't have. Supplying a complete overview of key concepts, *The Executive MBA in Information Security* provides the tools needed to ensure your organization has an effective and up-to-date information security management program in place. This one-stop resource provides a ready-to-use security framework you can use to develop workable programs and includes proven tips for avoiding common pitfalls—so you can get it right the first time. Allowing for quick and easy reference, this time-saving manual provides those in key leadership positions with a lucid understanding of: The difference between information security and IT security Corporate governance and how it relates to information security Steps and processes involved in hiring the right information security staff The different functional areas related to information security Roles and responsibilities of the chief information security officer (CISO) Presenting difficult concepts in a straightforward manner, this concise guide allows you to get up to speed, quickly and easily, on what it takes to develop a rock-solid information security management program that is as flexible as it is secure.

SSCP Systems Security Certified Practitioner Study Guide and DVD Training System Syngress 2003-03-25 The SSCP Study Guide and DVD Training System is a unique and comprehensive combination of text, DVD-quality instructor-led training, and Web-based exam simulation and remediation. These components will give the student 100% coverage of all (ISC)2 official exam objectives and realistic exam simulation. The SSCP Study Guide and DVD Training System consists of: 1. SSCP Study Guide The 1,000,000 readers who have read previous Syngress Study Guides will find many familiar features in the Study Guide along with many new enhancements including: · Exercises: There will be frequent use of step-by-step exercises with many screen captures and line drawings. Exercises will be presented in sidebar-like style, and will run 1 to 2 pages. · Anatomy of a Question: Question types will be diagrammed and analyzed to give readers access to the theory behind the questions themselves. · Teacher's Pet: These will be written from the instructor's perspective and will provide insight into the teaching methodologies applied to certain objectives that will give readers the "\$2,000 worth of training in a \$60 book feel." These will be presented in sidebar-like style and will run about 1 page. · Objectives Fast Track: End of chapter element containing each A-head from the chapter and succinct bullet points reviewing most important information from each section (same as current Solutions Fast Track). · FAQs: End of chapter frequently asked questions on objective content. These are not exam preparation questions (same as our current FAQ). · Test What You Learned: End of chapter exam preparation questions, which are in the format of the real exam. 2. SSCP DVD: The DVD will contain 1 hour of instructor-led training covering the most difficult to comprehend topics on the exam. The instructor's presentation will also include on-screen configurations and networking schematics. SSCP from SolutionsAtSyngress.com The accompanying Web site will provide students with realistic exam-simulations software. The exam will emulate the content and the look and feel of the real-exam. Students will be able to grade their performance on the Web-based exam and automatically link to the accompanying e-book for further review of difficult concepts \$2,000 worth of training in a \$60 book, DVD, and Web-enhanced training system. Consumers of this product will receive an unprecedented value. Instructor-led training for similar certifications averages \$2,000 per class, and retail DVD training products are priced from \$69 to \$129. Consumers are accustomed to paying 20% to 100% more than the cost of this training system for only the DVD! Changes to the CISSP Certification pre-requisites will result in an increase in the popularity of the SSCP certification. Recently the (ISC)2 increased the work experience requirement of the CISSP certification to four years from three years. This increase will result into current candidates for the CISSP to shift to the SSCP certification, as the verifiable field requirement is only one year. Syngress well-positioned in wide open playing field. The landscape of certification publishing has changed dramatically over the past month with Coriolis ceasing operations, Hungry Minds facing an uncertain future after their acquisition by John Wiley & Sons, and Syngress ending its long-term relationship with Osborne McGraw Hill in pursuit of publishing Study Guides independently. We are confident that Syngress' long history of best-selling Study Guides will continue in this new era.

Exploring Raspberry Pi Derek Molloy 2016-06-13 Expand Raspberry Pi capabilities with fundamental engineering principles Exploring Raspberry Pi is the innovators guide to 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.

The International Reference Report 2000

Programming Python Mark Lutz 2010-12-14 If you've mastered Python's fundamentals, you're ready to start using it to get real work done. Programming Python will show you how, with in-depth tutorials on the language's primary application domains: system administration, GUIs, and the Web. You'll also explore how Python is used in databases, networking, front-end scripting layers, text processing, and more. This book focuses on commonly used tools and libraries to give you a comprehensive understanding of Python's many roles in practical, real-world programming. You'll learn language syntax and programming techniques in a clear and concise manner, with lots of examples that illustrate both correct usage and common idioms. Completely updated for version 3.x, Programming Python also delves into the language as a software development tool, with many code examples scaled specifically for that purpose. Topics include: Quick Python tour: Build a simple demo that includes data representation, object-oriented programming, object persistence, GUIs, and website basics System programming: Explore system interface tools and techniques for command-line scripting, processing files and folders, running programs in parallel, and more GUI programming: Learn to use Python's Tkinter widget library Internet programming: Access client-side network protocols and email tools, use CGI scripts, and learn website implementation techniques More ways to apply Python: Implement data structures, parse text-based information, interface with databases, and extend and embed Python A Career Exploration and Job Guide by Field Tony Kelbrat 2022-07-28 This is a career exploration and job-finder book for many different fields. I provide information, job websites and organizations for many occupations. Beyond this book, I created job books for occupations like medical, business, computer, media, transportation, teaching, liberal arts, etc. The 84 volumes are as follows: Volume 1. What Do I Want to do With my Life? 1 Volume 2. What Do I Want to do With my Life? 2 Volume 3. A Career Ideas Guide Volume 4. A Psychology-Aptitude-Career Test Guide Volume 5. A Job-Life Purpose Question Guide Volume 6. A Career Exploration Guide 1 Volume 7. A Career Exploration Guide 2 Volume 8. A Career Exploration Guide 3 Volume 9. A Career Exploration Guide 4 Volume 10. A Career Exploration Website Guide 1 Volume 11. A Career Exploration Website Guide 2 Volume 12. Career Knowledge for Young People Volume 13. Career Information at CareerProfiles.info Volume 14. A Job Idea Guide 1 Volume 15. A Job Idea Guide 2 Volume 16. A Canada Career Exploration Guide Volume 17. A Psychology Career Exploration Guide Volume 18. An Occupational List Guide 1 Volume 19. An Occupational List Guide 2 Volume 20. An Occupational List Guide 3 Volume 21. An Occupational List Guide 4 Volume 22. An Occupational List Guide 5 Volume 23. Industry Classification Guides Volume 24. A Career and College Idea Website Guide Volume 25. Specific Profession Websites at workblogging.blogspot.ca Volume 26. Job and Career Ideas from VocationalTrainingHQ Volume 27. The Job Fields, Occupations and Professions 1 Volume 28. The Job Fields, Occupations and Professions 2 Volume 29. Job Fields, Occupations and Professions from the Phonebook Volume 30. Occupational Fields by Category Volume 31. U.S. Websites by Category with Career Ideas Volume 32. Job Ideas and Career Articles Volume 33. A Career Change Guide Volume 34. A Career Change Website Guide Volume 35. An Older Person Job Guide Volume 36. A Job Website Guide by Field and Country at workable Volume 37. A Niche Job Website Guide 1 Volume 38. A Niche Job Website Guide 2 Volume 39. nichejobs.com Created many Niche Job Websites, Some Don't Work Volume 40. Job Websites by Field at career.fsu.edu Volume 41. Many Job Boards by Field at betterteam Volume 42. A Job Website Guide by Field from jobstars.com/niche-job-sites Volume 43. Career Fairs and Events by Industry at jobstars.com/industry-events-conferences Volume 44. Job Websites by Field from the Dead Website Jobsourcenetwork Volume 45. Job Websites in Some ...

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. Open Source Web Development with LAMP James Lee 2003 Presents an overview of LAMP and Open Source technologies to build Web applications.

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. **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. * **ETECH MAGAZINE** #4 ACKLES 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 Outsocery" 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 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.

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Richard Zurawski 2018-10-03 **THE INDUSTRIAL INFORMATION TECHNOLOGY HANDBOOK** FOCUSES ON EXISTING AND EMERGING INDUSTRIAL APPLICATIONS OF IT, AND ON EVOLVING TRENDS THAT ARE DRIVEN BY THE NEEDS OF COMPANIES AND BY INDUSTRY-LED CONSORTIA AND ORGANIZATIONS. EMPHASIZING FAST GROWING AREAS THAT HAVE MAJOR IMPACTS ON INDUSTRIAL AUTOMATION AND ENTERPRISE INTEGRATION, THE HANDBOOK COVERS TOPICS SUCH AS INDUSTRIAL COMMUNICATION TECHNOLOGY, SENSORS, AND EMBEDDED SYSTEMS. THE BOOK IS ORGANIZED INTO TWO PARTS. PART 1 PRESENTS MATERIAL COVERING NEW AND QUICKLY EVOLVING ASPECTS OF IT. PART 2 INTRODUCES CUTTING-EDGE AREAS OF INDUSTRIAL IT. THE HANDBOOK PRESENTS MATERIAL IN THE FORM OF TUTORIALS, SURVEYS, AND TECHNOLOGY OVERVIEWS, COMBINING FUNDAMENTALS AND ADVANCED ISSUES, WITH ARTICLES GROUPED INTO SECTIONS FOR A COHESIVE AND COMPREHENSIVE PRESENTATION. THE TEXT CONTAINS 112 CONTRIBUTED REPORTS BY INDUSTRY EXPERTS FROM GOVERNMENT, COMPANIES AT THE FOREFRONT OF DEVELOPMENT, AND SOME OF THE MOST RENOWNED ACADEMIC AND RESEARCH INSTITUTIONS WORLDWIDE. SEVERAL OF THE REPORTS ON RECENT DEVELOPMENTS, ACTUAL DEPLOYMENTS, AND TRENDS COVER SUBJECT MATTER PRESENTED TO THE PUBLIC FOR THE FIRST TIME.