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Mastering Cloud Computing - Rajkumar Buyya
2013-04-05

Mastering Cloud Computing is designed for undergraduate students learning to develop cloud computing applications. Tomorrow's applications won't live on a single computer but will be deployed from and reside on a virtual server, accessible anywhere, any time.

Tomorrow's application developers need to understand the requirements of building apps for these virtual systems, including concurrent programming, high-performance computing, and data-intensive systems. The book introduces the principles of distributed and parallel computing underlying cloud architectures and specifically focuses on virtualization, thread programming, task programming, and map-reduce programming. There are examples demonstrating all of these and more, with exercises and labs throughout. Explains how to make design choices and tradeoffs to consider when building applications to run in a virtual cloud environment Real-world case studies include scientific, business, and energy-efficiency considerations

Analyzing Computer Security Charles P. Pfleeger 2012

In this book, the authors of the 20-year best-selling classic *Security in Computing* take a fresh, contemporary, and powerfully relevant new approach to introducing computer security. Organised around attacks and mitigations, the Pfleegers' new *Analyzing Computer Security* will

attract students' attention by building on the high-profile security failures they may have already encountered in the popular media. Each section starts with an attack description. Next, the authors explain the vulnerabilities that have allowed this attack to occur. With this foundation in place, they systematically present today's most effective countermeasures for blocking or weakening the attack. One step at a time, students progress from attack/problem/harm to solution/protection/mitigation, building the powerful real-world problem solving skills they need to succeed as information security professionals. *Analyzing Computer Security* addresses crucial contemporary computer security themes throughout, including effective security management and risk analysis; economics and quantitative study; privacy, ethics, and laws; and the use of overlapping controls. The authors also present significant new material on computer forensics, insiders, human factors, and trust.

Postharvest Handling - Robert L. Shewfelt
2012-12-02

Postharvest Handling: A Systems Approach introduces a new concept in the handling of fresh fruits and vegetable. Traditional treatments have been either physiologically based with an emphasis on biological tissue or technologically based with an emphasis on storage and handling. This book integrates all processes from production practices through

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consumer consumption with an emphasis on understanding market forces and providing fresh product that meets consumer expectations. Postharvest physiologists and technologists across the disciplines of agricultural economics, agricultural engineering, food science and horticulture along with handlers of minimally-processed products within the fresh produce fruit and vegetable processing industries will find this to be an invaluable source of information. Uses a systems approach that provides a unique perspective on the handling of fresh fruits and vegetables Designed with the applied perspective to complement the more basic perspectives provided in other treatments Provides the integrated, interdisciplinary perspective needed in research to improve the quality of fresh and minimally processed products Emphasizes that the design of handling systems should be market-driven rather than concentrating on narrow specifics

Attacking Network Protocols James Forshaw 2018-01-02

Attacking Network Protocols is a deep dive into network protocol security from James Forshaw, one of the world's leading bug hunters. This comprehensive guide looks at networking from an attacker's perspective to help you discover, exploit, and ultimately protect vulnerabilities. You'll start with a rundown of networking basics and protocol traffic capture before moving on to static and dynamic protocol analysis, common protocol structures, cryptography, and protocol security. Then you'll turn your focus to finding and exploiting vulnerabilities, with an overview of common bug classes, fuzzing, debugging, and exhaustion attacks. Learn how to: - Capture, manipulate, and replay packets - Develop tools to dissect traffic and reverse engineer code to understand the inner workings of a network protocol - Discover and exploit vulnerabilities such as memory corruptions, authentication bypasses, and denials of service - Use capture and analysis tools like Wireshark and develop your own custom network proxies to manipulate network traffic Attacking Network Protocols is a must-have for any penetration tester, bug hunter, or developer looking to understand and discover network vulnerabilities.

The Earth Moon & Sun - Ron Marson 1993
Improvise compasses and quadrants to track the

sun and moon across a graph paper sky. Cover a tennis ball in a beautiful earth wrapper, then tilt it towards a tennis-ball sun to comprehend seasons. Wrap a Ping-Pong ball halfway in black tape to model moon phases that wax and wane. Fathom heavenly motions indoors and out!

Invitations to Science Inquiry L. Liem 1991
A supplement of 50 more discrepant events over the Second Edition of "INVITATIONS TO SCIENCE INQUIRY," & 100 more discrepant events which is the difference between the First & Second Edition. To each of the chapters of the First & Second Editions more discrepant events have been added.

Lift Cookbook - Richard Dallaway 2013-06-24
If you need help building web applications with the Lift framework, this cookbook provides scores of concise, ready-to-use code solutions. You'll find recipes for everything from setting up a coding environment to creating REST web services and deploying your application to production. Built on top of the Scala JVM programming language, Lift takes a different—yet ultimately easier—approach to development than MVC frameworks such as Rails. Each recipe in this book includes a discussion of how and why each solution works, not only to help you complete the task at hand, but also to illustrate how Lift works. Set up an environment and run your first Lift application Generate HTML, using Lift's View First approach Submit forms and work with form elements Build REST web services with the framework's RestHelper trait Take advantage of Lift's support for Ajax and Comet Get examples for modifying Lift's request pipeline Convert Scala classes into tables, rows, and columns in a relational database Send email, call URLs, and schedule tasks from your application Package and deploy your application to various hosted services

Spring Data Standard Guide - Petri Kainulainen 2012-11-05
Implement JPA repositories and harness the performance of Redis in your applications.
[AWARENESS SCIENCE FOR 8 CLASS WITH CD ON REQUEST](#) - LAKHMIR SINGH
Awareness Science is a series of science books for classes 1-8 for the schools following CBSE Syllabus.

[Hibernate in Action](#) - Christian Bauer 2005
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A guide to using Hibernate covers such topics as ORM, application architecture, and developer tools.

Misteryng Microservices with Java Sourabh Sharma 2017-12-07

Master the art of implementing scalable microservices in your production environment with ease About This Book Use domain-driven design to build microservices Use Spring Cloud to use Service Discovery and Registration Use Kafka, Avro and Spring Streams for implementing event based microservices Who This Book Is For This book is for Java developers who are familiar with the microservices architecture and now wants to take a deeper dive into effectively implementing microservices at an enterprise level. A reasonable knowledge level and understanding of core microservice elements and applications is expected. What You Will Learn Use domain-driven design to design and implement microservices Secure microservices using Spring Security Learn to develop REST service development Deploy and test microservices Troubleshoot and debug the issues faced during development Learning best practices and common principals about microservices In Detail Microservices are the next big thing in designing scalable, easy-to-maintain applications. It not only makes app development easier, but also offers great flexibility to utilize various resources optimally. If you want to build an enterprise-ready implementation of the microservices architecture, then this is the book for you! Starting off by understanding the core concepts and framework, you will then focus on the high-level design of large software projects. You will gradually move on to setting up the development environment and configuring it before implementing continuous integration to deploy your microservice architecture. Using Spring security, you will secure microservices and test them effectively using REST Java clients and other tools like RxJava 2.0. We'll show you the best patterns, practices and common principals of microservice design and you'll learn to troubleshoot and debug the issues faced during development. We'll show you how to design and implement reactive microservices. Finally, we'll show you how to migrate a monolithic application to microservices based application.

By the end of the book, you will know how to build smaller, lighter, and faster services that can be implemented easily in a production environment. Style and approach This book starts from the basics, including environment setup and provides easy-to-follow steps to implement the sample project using microservices.

Modern Information Technology and IT Education- Vladimir Sukhomlin 2020-05-11

This book constitutes the refereed proceedings of the 13th International Conference on Modern Information Technology and IT Education, held in Moscow, Russia, in November-December 2018. The 30 full papers and 1 short papers were carefully reviewed and selected from 164 submissions. The papers are organized according to the following topics: IT-education: methodology, methodological support; e-learning and IT in education; educational resources and best practices of IT-education; research and development in the field of new IT and their applications; scientific software in education and science; school education in computer science and ICT; economic informatics.

Continuous Integration, Delivery, and Deployment - Sander Rossel 2017-10-30

Getting started with the processes and the tools to continuously deliver high-quality software About This Book Incorporate popular development practices to prevent messy code Automate your build, integration, release, and deployment processes with Jenkins, Git, and Gulp?and learn how continuous integration (CI) can save you time and money Gain an end-to-end overview of Continuous Integration using different languages (JavaScript and C#) and tools (Gulp and Jenkins) Who This Book Is For This book is for developers who want to understand and implement Continuous Integration and Delivery in their daily work. A basic knowledge of at least JavaScript and HTML/CSS is required. Knowing C# and SQL will come in handy. Most programmers who have programmed in a (compiled) C-like language will be able to follow along. What You Will Learn Get to know all the aspects of Continuous Integration, Deployment, and Delivery Find out how Git can be used in a CI environment Set up browser tests using Karma and Selenium and unit tests using Jasmine Use

Node.js, npm, and Gulp to automate tasks such as linting, testing, and minification Explore different Jenkins jobs to integrate with Node.js and C# projects Perform Continuous Delivery and Deployment using Jenkins Test and deliver a web API In Detail The challenge faced by many teams while implementing Continuous Deployment is that it requires the use of many tools and processes that all work together. Learning and implementing all these tools (correctly) takes a lot of time and effort, leading people to wonder whether it's really worth it. This book sets up a project to show you the different steps, processes, and tools in Continuous Deployment and the actual problems they solve. We start by introducing Continuous Integration (CI), deployment, and delivery as well as providing an overview of the tools used in CI. You'll then create a web app and see how Git can be used in a CI environment. Moving on, you'll explore unit testing using Jasmine and browser testing using Karma and Selenium for your app. You'll also find out how to automate tasks using Gulp and Jenkins. Next, you'll get acquainted with database integration for different platforms, such as MongoDB and PostgreSQL. Finally, you'll set up different Jenkins jobs to integrate with Node.js and C# projects, and Jenkins pipelines to make branching easier. By the end of the book, you'll have implemented Continuous Delivery and deployment from scratch. Style and approach This practical book takes a step-by-step approach to explaining all the concepts of Continuous Integration and delivery, and how it can help you deliver a high-quality product. *Making History* Dermot Lucey 2018-03-06 Written by market-leading History author, Dermot Lucey, whose name is synonymous with History education in Ireland, Making History provides everything you need for Junior Cycle History. Specification Learning Outcomes are broken into clear, achievable Learning Intentions The Nature of History strand is introduced and then reinforced in each chapter through skills-based activities and the frequent use of sources Integrates recommended Junior Cycle teaching strategies, such as Think-Pair-Share, Hot Seat and Venn Diagrams Analysing Sources sections encourage students to investigate intriguing historical questions and to

hone the skills of the historian The order of the chapters and the pictorial timelines at the start of each promote chronological awareness and help students acquire the 'big picture' The frequent use of questions in headings promotes exploratory learning, encourages lively classroom debate and develops historical consciousness Assessment features include: - Suggested CBAs for each topic - Focus Tasks for groupwork and research - Activities that encourage historical empathy - Range of questions on a vast array of primary and secondary sources The Making History package includes: Making History Skills Book - Included FREE with the textbook: Written by Stacy Stout with Dermot Lucey, this book includes skills-based activities, and reflection and revision exercises Making History Teacher's Resource Book with detailed schemes of work and How to guides for incorporating technology and active teaching methods A suite of digital resources including curriculum-focused videos, PowerPoints and quizzes, all available on GillExplore.ie Free eBook of the textbook with embedded videos, weblinks and quizzes. See inside front cover for details. Adopting teachers also get access to free eBooks of the Skills Book and Teacher's Resource Book. Gill Education eBooks are accessible both online and offline. The Making History Author Team DERMOT LUCEY is an experienced teacher of History and an active member of the Cork History Teachers' Association. He is the author of a number of best-selling History textbooks, including The Past Today and Modern Europe. STACY STOUT is a History teacher, examiner and a member of the Cork History Teachers' Association. She is well known for her popular YouTube channel, Miss Stout's History Class, her @ MsStacyS page on Twitter, and for her creative, student-focused teaching methodologies.

Awareness Social Sciences For Class Seven Suman Gupta

The series, Awareness Social Sciences for classes VI, VII and VIII is based on the syllabus as specified by NCERT for the latest sessions. The syllabus has tried to link the academic curriculum with real life and, thus, dwelled on connecting the students' understanding with the real world around them. Accordingly, this book has incorporated real life examples, case

studies, story lines and narratives which could be immensely helpful in assimilation and to inculcate interests among the students significantly.

Switching to VoIP - Theodore Wallingford 2005
More and more businesses today have their receive phone service through Internet instead of local phone company lines. Many businesses are also using their internal local and wide-area network infrastructure to replace legacy enterprise telephone networks. This migration to a single network carrying voice and data is called convergence, and it's revolutionizing the world of telecommunications by slashing costs and empowering users. The technology of families driving this convergence is called VoIP, or Voice over IP. VoIP has advanced Internet-based telephony to a viable solution, piquing the interest of companies small and large. The primary reason for migrating to VoIP is cost, as it equalizes the costs of long distance calls, local calls, and e-mails to fractions of a penny per use. But the real enterprise turn-on is how VoIP empowers businesses to mold and customize telecom and datacom solutions using a single, cohesive networking platform. These business drivers are so compelling that legacy telephony is going the way of the dinosaur, yielding to Voice over IP as the dominant enterprise communications paradigm. Developed from real-world experience by a senior developer, O'Reilly's *Switching to VoIP* provides solutions for the most common VoIP migration challenges. So if you're a network professional who is migrating from a traditional telephony system to a modern, feature-rich network, this book is a must-have. You'll discover the strengths and weaknesses of circuit-switched and packet-switched networks, how VoIP systems impact network infrastructure, as well as solutions for common challenges involved with IP voice migrations. Among the challenges discussed and projects presented: building a softPBX configuring IP phones ensuring quality of service scalability standards-compliance topological considerations coordinating a complete system ?switchover? migrating applications like voicemail and directory services retro-interfacing to traditional telephony supporting mobile users security and survivability dealing with the challenges of NAT To help you grasp the core

principles at work, *Switching to VoIP* uses a combination of strategy and hands-on "how-to" that introduce VoIP routers and media gateways, various makes of IP telephone equipment, legacy analog phones, IPTables and Linux firewalls, and the Asterisk open source PBX software by Digium. You'll learn how to build an IP-based or legacy-compatible phone system and voicemail system complete with e-mail integration while becoming familiar with VoIP protocols and devices. *Switching to VoIP* remains vendor-neutral and advocates standards, not brands. Some of the standards explored include: SIP H.323, SCCP, and IAX Voice codecs 802.3af Type of Service, IP precedence, DiffServ, and RSVP 802.1a/b/g WLAN If VoIP has your attention, like so many others, then *Switching to VoIP* will help you build your own system, install it, and begin making calls. It's the only thing left between you and a modern telecom network.

Sugar Changed the World a Story of Magic Spice Slavery Freedom and Science -

Perfection Learning Corporation 2021-02
When this award-winning husband-and-wife team discovered that they each had sugar in their family history, they were inspired to trace the globe-spanning story of the sweet substance and to seek out the voices of those who led bitter sugar lives. The trail ran like a bright band from religious ceremonies in India to Europe's Middle Ages, then on to Columbus, who brought the first cane cuttings to the Americas. Sugar was the substance that drove the bloody slave trade and caused the loss of countless lives, but it also planted the seeds of revolution that led to freedom in the American colonies, Haiti, and France. With songs, oral histories, maps, and more than eighty archival illustrations, here is the story of how one product moved the grand currents of world history. Book jacket.

Perl & LWP - Sean M. Burke 2002-06-20
Perl soared to popularity as a language for creating and managing web content, but with LWP (Library for WWW in Perl), Perl is equally adept at consuming information on the Web. LWP is a suite of modules for fetching and processing web pages. The Web is a vast data source that contains everything from stock prices to movie credits, and with LWP all that data is just a few lines of code away. Anything you do on the Web, whether it's buying or

selling, reading or writing, uploading or downloading, news to e-commerce, can be controlled with Perl and LWP. You can automate Web-based purchase orders as easily as you can set up a program to download MP3 files from a web site. Perl & LWP covers: Understanding LWP and its design Fetching and analyzing URLs Extracting information from HTML using regular expressions and tokens Working with the structure of HTML documents using trees Setting and inspecting HTTP headers and response codes Managing cookies Accessing information that requires authentication Extracting links Cooperating with proxy caches Writing web spiders (also known as robots) in a safe fashion Perl & LWP includes many step-by-step examples that show how to apply the various techniques. Programs to extract information from the web sites of BBC News, Altavista, ABEBooks.com, and the Weather Underground, to name just a few, are explained in detail, so that you understand how and why they work. Perl programmers who want to automate and mine the web can pick up this book and be immediately productive. Written by a contributor to LWP, and with a foreword by one of LWP's creators, Perl & LWP is the authoritative guide to this powerful and popular toolkit.

.NET Framework Essentials - Thuan Thai 2003
This concise guide for experienced programmers and software architects is a complete no-nonsense overview of key elements and programming languages central to all .NET application development

Day One VSRX on KVM - Rahul Verma 2019-04

IronPython in Action - Christian J. Muirhead
2009-03-01

In 2005, Microsoft quietly announced an initiative to bring dynamic languages to the .NET platform. The starting point for this project was a .NET implementation of Python, dubbed IronPython. After a couple years of incubation, IronPython is ready for real-world use. It blends the simplicity, elegance, and dynamism of Python with the power of the .NET framework. IronPython in Action offers a comprehensive, hands-on introduction to Microsoft's exciting new approach for programming the .NET framework. It approaches IronPython as a first

class .NET language, fully integrated with the .NET environment, Visual Studio, and even the open-source Mono implementation. You'll learn how IronPython can be embedded as a ready-made scripting language into C# and VB.NET programs, used for writing full applications or for web development with ASP. Even better, you'll see how IronPython works in Silverlight for client-side web programming. IronPython opens up exciting new possibilities. Because it's a dynamic language, it permits programming paradigms not easily available in VB and C#. In this book, authors Michael Foord and Christian Muirhead explore the world of functional programming, live introspection, dynamic typing and duck typing, metaprogramming, and more. IronPython in Action explores these topics with examples, making use of the Python interactive console to explore the .NET framework with live objects. The expert authors provide a complete introduction for programmers to both the Python language and the power of the .NET framework. The book also shows how to extend IronPython with C#, extending C# and VB.NET applications with Python, using IronPython with .NET 3.0 and Powershell, IronPython as a Windows scripting tool, and much more. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

Mistering Embedded Linux Programming
Chris Simmonds 2017-06-30

Master the techniques needed to build great, efficient embedded devices on Linux About This Book Discover how to build and configure reliable embedded Linux devices This book has been updated to include Linux 4.9 and Yocto Project 2.2 (Morty) This comprehensive guide covers the remote update of devices in the field and power management Who This Book Is For If you are an engineer who wishes to understand and use Linux in embedded devices, this book is for you. It is also for Linux developers and system programmers who are familiar with embedded systems and want to learn and program the best in class devices. It is appropriate for students studying embedded techniques, for developers implementing embedded Linux devices, and engineers supporting existing Linux devices. What You Will Learn Evaluate the Board Support Packages

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offered by most manufacturers of a system on chip or embedded module Use Buildroot and the Yocto Project to create embedded Linux systems quickly and efficiently Update IoT devices in the field without compromising security Reduce the power budget of devices to make batteries last longer Interact with the hardware without having to write kernel device drivers Debug devices remotely using GDB, and see how to measure the performance of the systems using powerful tools such as `perf`, `ftrace`, and `valgrind` Find out how to configure Linux as a real-time operating system In Detail Embedded Linux runs many of the devices we use every day, from smart TVs to WiFi routers, test equipment to industrial controllers - all of them have Linux at their heart. Linux is a core technology in the implementation of the inter-connected world of the Internet of Things. The comprehensive guide shows you the technologies and techniques required to build Linux into embedded systems. You will begin by learning about the fundamental elements that underpin all embedded Linux projects: the toolchain, the bootloader, the kernel, and the root filesystem. You'll see how to create each of these elements from scratch, and how to automate the process using Buildroot and the Yocto Project. Moving on, you'll find out how to implement an effective storage strategy for flash memory chips, and how to install updates to the device remotely once it is deployed. You'll also get to know the key aspects of writing code for embedded Linux, such as how to access hardware from applications, the implications of writing multi-threaded code, and techniques to manage memory in an efficient way. The final chapters show you how to debug your code, both in applications and in the Linux kernel, and how to profile the system so that you can look out for performance bottlenecks. By the end of the book, you will have a complete overview of the steps required to create a successful embedded Linux system. Style and approach This book is an easy-to-follow and pragmatic guide with in-depth analysis of the implementation of embedded devices. It follows the life cycle of a project from inception through to completion, at each stage giving both the theory that underlies the topic and practical step-by-step walkthroughs of an example implementation.

The Car Hacker's Handbook - Craig Smith

2016-03-01

Modern cars are more computerized than ever. Infotainment and navigation systems, Wi-Fi, automatic software updates, and other innovations aim to make driving more convenient. But vehicle technologies haven't kept pace with today's more hostile security environment, leaving millions vulnerable to attack. The Car Hacker's Handbook will give you a deeper understanding of the computer systems and embedded software in modern vehicles. It begins by examining vulnerabilities and providing detailed explanations of communications over the CAN bus and between devices and systems. Then, once you have an understanding of a vehicle's communication network, you'll learn how to intercept data and perform specific hacks to track vehicles, unlock doors, glitch engines, flood communication, and more. With a focus on low-cost, open source hacking tools such as Metasploit, Wireshark, `Kayak`, `can-utils`, and `ChipWhisperer`, The Car Hacker's Handbook will show you how to:

- Build an accurate threat model for your vehicle
- Reverse engineer the CAN bus to fake engine signals
- Exploit vulnerabilities in diagnostic and data-logging systems
- Hack the ECU and other firmware and embedded systems
- Feed exploits through infotainment and vehicle-to-vehicle communication systems
- Override factory settings with performance-tuning techniques
- Build physical and virtual test benches to try out exploits safely

If you're curious about automotive security and have the urge to hack a two-ton computer, make The Car Hacker's Handbook your first stop.

Hackers & Painters - Paul Graham 2004-05-18

The author examines issues such as the rightness of web-based applications, the programming language renaissance, spam filtering, the Open Source Movement, Internet startups and more. He also tells important stories about the kinds of people behind technical innovations, revealing their character and their craft.

Innovations in Derivatives Markets - Kathrin Glau 2016-12-02

This book presents 20 peer-reviewed chapters on current aspects of derivatives markets and derivative pricing. The contributions, written by

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leading researchers in the field as well as experienced authors from the financial industry, present the state of the art in:

- Modeling counterparty credit risk: credit valuation adjustment, debit valuation adjustment, funding valuation adjustment, and wrong way risk.
- Pricing and hedging in fixed-income markets and multi-curve interest-rate modeling.
- Recent developments concerning contingent convertible bonds, the measuring of basis spreads, and the modeling of implied correlations.

The recent financial crisis has cast tremendous doubts on the classical view on derivative pricing. Now, counterparty credit risk and liquidity issues are integral aspects of a prudent valuation procedure and the reference interest rates are represented by a multitude of curves according to their different periods and maturities. A panel discussion included in the book (featuring Damiano Brigo, Christian Fries, John Hull, and Daniel Sommer) on the foundations of modeling and pricing in the presence of counterparty credit risk provides intriguing insights on the debate.

JXTA - Daniel Brookshier 2002

JXTA: Java P2P Programming provides an invaluable introduction to this new technology, filled with useful information and practical examples. It was created by members of the *JXTA* community, sharing their real-world experience to introduce developers to *JXTA*. It starts with the fundamentals of P2P and demonstrates how *JXTA* fulfills the P2P promise, then covers the essentials of *JXTA* including the protocols, the *JXTA* Shell, and groups. Later chapters include case studies demonstrating *JXTA* to synchronize data and to create distributed applications. Includes a foreword by Juan Carlos Soto, Group Marketing Manager for Project *JXTA* at Sun Microsystems and the jxta.org Open Source Community Manager.

Android Hacker's Handbook - Joshua J. Drake
2014-03-26

The first comprehensive guide to discovering and preventing attacks on the Android OS. As the Android operating system continues to increase its share of the smartphone market, smartphone hacking remains a growing threat. Written by experts who rank among the world's foremost Android security researchers, this book presents vulnerability discovery, analysis, and

exploitation tools for the good guys. Following a detailed explanation of how the Android OS works and its overall security architecture, the authors examine how vulnerabilities can be discovered and exploits developed for various system components, preparing you to defend against them. If you are a mobile device administrator, security researcher, Android app developer, or consultant responsible for evaluating Android security, you will find this guide is essential to your toolbox. A crack team of leading Android security researchers explain Android security risks, security design and architecture, rooting, fuzz testing, and vulnerability analysis. Covers Android application building blocks and security as well as debugging and auditing Android apps. Prepares mobile device administrators, security researchers, Android app developers, and security consultants to defend Android systems against attack. *Android Hacker's Handbook* is the first comprehensive resource for IT professionals charged with smartphone security.

Paul Volcker - Joseph B. Treaster 2011-08-24
As the Chairman of the Federal Reserve from 1979 to 1982, Paul Volcker established himself as one of the most influential economic thinkers. Currently a major advocate for corporate governance and accounting reforms, Volcker's reputation as a great business leader with uncompromising ethics continues to this day. Written by award-winning New York Times journalist Joseph Treaster, *Paul Volcker: The Making of a Financial Legend* takes readers through the most compelling moments of this legend's life in private and public service. From his early days as a young Treasury Department official through his appointments to the New York Federal Reserve Bank, the Federal Reserve, and James D. Wolfensohn, Inc., this inspiring book captures the significant moments in Volcker's life and explores the ethical, economic, and moral dilemmas he faced at every turn.

Neural Networks in Finance - Paul D. McNelis
2005-01-05

This book explores the intuitive appeal of neural networks and the genetic algorithm in finance. It demonstrates how neural networks used in combination with evolutionary computation outperform classical econometric methods for

accuracy in forecasting, classification and dimensionality reduction. McNelis utilizes a variety of examples, from forecasting automobile production and corporate bond spread, to inflation and deflation processes in Hong Kong and Japan, to credit card default in Germany to bank failures in Texas, to cap-floor volatilities in New York and Hong Kong. * Offers a balanced, critical review of the neural network methods and genetic algorithms used in finance *

Includes numerous examples and applications * Numerical illustrations use MATLAB code and the book is accompanied by a website

Mastering Distributed Tracing - Yuri Shkuro

2019-02-28

Understand how to apply distributed tracing to microservices-based architectures Key

FeaturesA thorough conceptual introduction to distributed tracingAn exploration of the most important open standards in the spaceA how-to guide for code instrumentation and operating a tracing infrastructureBook Description

Mastering Distributed Tracing will equip you to operate and enhance your own tracing infrastructure. Through practical exercises and code examples, you will learn how end-to-end tracing can be used as a powerful application performance management and comprehension tool. The rise of Internet-scale companies, like Google and Amazon, ushered in a new era of distributed systems operating on thousands of nodes across multiple data centers.

Microservices increased that complexity, often exponentially. It is harder to debug these systems, track down failures, detect bottlenecks, or even simply understand what is going on.

Distributed tracing focuses on solving these problems for complex distributed systems.

Today, tracing standards have developed and we have much faster systems, making instrumentation less intrusive and data more valuable. Yuri Shkuro, the creator of Jaeger, a popular open-source distributed tracing system, delivers end-to-end coverage of the field in Mastering Distributed Tracing. Review the history and theoretical foundations of tracing; solve the data gathering problem through code instrumentation, with open standards like OpenTracing, W3C Trace Context, and OpenCensus; and discuss the benefits and applications of a distributed tracing

infrastructure for understanding, and profiling, complex systems. What you will learnHow to get started with using a distributed tracing systemHow to get the most value out of end-to-end tracingLearn about open standards in the spaceLearn about code instrumentation and operating a tracing infrastructureLearn where distributed tracing fits into microservices as a core functionWho this book is for Any developer interested in testing large systems will find this book very revealing and in places, surprising.

Every microservice architect and developer should have an insight into distributed tracing, and the book will help them on their way.

System administrators with some development skills will also benefit. No particular programming language skills are required, although an ability to read Java, while non-essential, will help with the core chapters.

A History of Yugoslavia - Marie-Janine Calic

2019

Why did Yugoslavia fall apart? Was its violent demise inevitable? Did its population simply fall victim to the lure of nationalism? How did this multinational state survive for so long, and where do we situate the short life of Yugoslavia in the long history of Europe in the twentieth century? A History of Yugoslavia provides a concise, accessible, comprehensive synthesis of the political, cultural, social, and economic life of Yugoslavia--from its nineteenth-century South Slavic origins to the bloody demise of the multinational state of Yugoslavia in the 1990s. Calic takes a fresh and innovative look at the colorful, multifaceted, and complex history of Yugoslavia, emphasizing major social, economic, and intellectual changes from the turn of the twentieth century and the transition to modern industrialized mass society. She traces the origins of ethnic, religious, and cultural divisions, applying the latest social science approaches, and drawing on the breadth of recent state-of-the-art literature, to present a balanced interpretation of events that takes into account the differing perceptions and interests of the actors involved. Uniquely, Calic frames the history of Yugoslavia for readers as an essentially open-ended process, undertaken from a variety of different regional perspectives with varied composite agenda. She shuns traditional, deterministic explanations that notorious Balkan

hatreds or any other kind of exceptionalism are to blame for Yugoslavia's demise, and along the way she highlights the agency of twentieth-century modern mass society in the politicization of differences. While analyzing nuanced political and social-economic processes, Calic describes the experiences and emotions of ordinary people in a vivid way. As a result, her groundbreaking work provides scholars and learned readers alike with an accessible, trenchant, and authoritative introduction to Yugoslavia's complex history.

BPF Performance Tools Brendan Gregg
2019-11-27

BPF and related observability tools give software professionals unprecedented visibility into software, helping them analyze operating system and application performance, troubleshoot code, and strengthen security. *BPF Performance Tools: Linux System and Application Observability* is the industry's most comprehensive guide to using these tools for observability. Brendan Gregg, author of the industry's definitive guide to system performance, introduces powerful new methods and tools for doing analysis that leads to more robust, reliable, and safer code. This authoritative guide: Explores a wide spectrum of software and hardware targets Thoroughly covers open source BPF tools from the Linux Foundation iovisor project's bcc and bpftool repositories Summarizes performance engineering and kernel internals you need to understand Provides and discusses 150+ bpftool tools, including 80 written specifically for this book: tools you can run as-is, without programming — or customize and develop further, using diverse interfaces and the bpftool front-end You'll learn how to use BPF (eBPF) tracing tools to analyze CPUs, memory, disks, file systems, networking, languages, applications, containers, hypervisors, security, and the Linux kernel. You'll move from basic to advanced tools and techniques, producing new metrics, stack traces, custom latency histograms, and more. It's like having a superpower: with Gregg's guidance and tools, you can analyze virtually everything that impacts system performance, so you can improve virtually any Linux operating system or application.

Understanding Linux Network Internals
Christian Benvenuti 2006

Benvenuti describes the relationship between the Internet's TCP/IP implementation and the Linux Kernel so that programmers and advanced administrators can modify and fine-tune their network environment.

The 9.9 Percent Matthew Stewart 2021-10-12
A "brilliant" (The Washington Post), "clear-eyed and incisive" (The New Republic) analysis of how the wealthiest group in American society is making life miserable for everyone—including themselves. In 21st-century America, the top 0.1% of the wealth distribution have walked away with the big prizes even while the bottom 90% have lost ground. What's left of the American Dream has taken refuge in the 9.9% that lies just below the tip of extreme wealth. Collectively, the members of this group control more than half of the wealth in the country—and they are doing whatever it takes to hang on to their piece of the action in an increasingly unjust system. They log insane hours at the office and then turn their leisure time into an excuse for more career-building, even as they rely on an underpaid servant class to power their economic success and satisfy their personal needs. They have segregated themselves into zip codes designed to exclude as many people as possible. They have made fitness a national obsession even as swaths of the population lose healthcare and grow sicker. They have created an unprecedented demand for admission to elite schools and helped to fuel the dramatic cost of higher education. They channel their political energy into symbolic conflicts over identity in order to avoid acknowledging the economic roots of their privilege. And they have created an ethos of "merit" to justify their advantages. They are all around us. In fact, they are us—or what we are supposed to want to be. In this "captivating account" (Robert D. Putnam, author of *Bowling Alone*), Matthew Stewart argues that a new aristocracy is emerging in American society and it is repeating the mistakes of history. It is entrenching inequality, warping our culture, eroding democracy, and transforming an abundant economy into a source of misery. He calls for a regrounding of American culture and politics on a foundation closer to the original promise of America.

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Neural Networks and Analog Computation
Hava T. Siegelmann 2012-12-06

The theoretical foundations of Neural Networks and Analog Computation conceptualize neural networks as a particular type of computer consisting of multiple assemblies of basic processors interconnected in an intricate structure. Examining these networks under various resource constraints reveals a continuum of computational devices, several of which coincide with well-known classical models. On a mathematical level, the treatment of neural computations enriches the theory of computation but also explicated the computational complexity associated with biological networks, adaptive engineering tools, and related models from the fields of control theory and nonlinear dynamics. The material in this book will be of interest to researchers in a variety of engineering and applied sciences disciplines. In addition, the work may provide the base of a graduate-level seminar in neural networks for computer science students.

Creating Web Pages For Dummies - Bud E. Smith 2007-01-23

Chances are, you're already a Web user and use the Internet on a regular basis. You've probably seen a few impressive Web sites and now you're inspired to create a Web page of your own, but you're not sure where to start. The answer is: right here! *Creating Web Pages For Dummies* guides you through the process of making your own Web pages without hassle or confusion. This straightforward book shows you just how easy it is to launch a site, specialize a page, making your site interactive, and much more! In no time you will become a pro in: Web publishing basics Geocities, Google page creator, and AOL Web publishing Using Flickr, creating blogs, and selling products on eBay HTML and other handy tools to "beef up" your site Writing and formatting Web text Creating and adding graphics for your site Adding links, animation, and multimedia Designing a great-looking, complete Web site Besides getting to know the ins and outs of building a Web page, this guide offers suggestions on Web publishing, ranging from testing out your Web site and advertising your site to legal permission and displaying borrowed content. This resourceful guide also includes Web lingo worth knowing and a quick

guide to HTML tags, which points out some lesser known but nevertheless useful tags. Now in its 8th edition, *Creating Web Pages For Dummies* will help make your Web page stand out in the crowd!

FreeBSD Handbook - FreeBSD Documentation Project 2000

The FreeBSD Handbook is a comprehensive FreeBSD tutorial and reference. It covers installation, day-to-day use of FreeBSD, and much more, such as the Ports collection, creating a custom kernel, security topics, the X Window System, how to use FreeBSD's Linux binary compatibility, and how to upgrade your system from source using the 'make world' command, to name a few.

The Debian Administrator's Handbook - Raphaël Hertzog 2015-10-21

Debian GNU/Linux, a very popular non-commercial Linux distribution, is known for its reliability and richness. Built and maintained by an impressive network of thousands of developers throughout the world, the Debian project is cemented by its social contract. This foundation text defines the project's objective: fulfilling the needs of users with a 100% free operating system. The success of Debian and of its ecosystem of derivative distributions (with Ubuntu at the forefront) means that an increasing number of administrators are exposed to Debian's technologies. This *Debian Administrator's Handbook*, which has been entirely updated for Debian 8 "Jessie", builds on the success of its 6 previous editions. Accessible to all, this book teaches the essentials to anyone who wants to become an effective and independent Debian GNU/Linux administrator. It covers all the topics that a competent Linux administrator should master, from installation to updating the system, creating packages and compiling the kernel, but also monitoring, backup and migration, without forgetting advanced topics such as setting up SELinux or AppArmor to secure services, automated installations, or virtualization with Xen, KVM or LXC. This book is not only designed for professional system administrators. Anyone who uses Debian or Ubuntu on their own computer is de facto an administrator and will find tremendous value in knowing more about how their system works. Being able to understand

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and resolve problems will save you invaluable time. Learn more about the book on its official website: debian-handbook.info

Windows PowerShell in Action - Bruce Payette 2011

A guide to using Windows PowerShell to script Windows administrative tasks and control Windows from the command line.

The Real World - Kerry Ferris 2018

"In every chapter, Ferris and Stein use examples from everyday life and pop culture to draw students into thinking sociologically and to show the relevance of sociology to their relationships, jobs, and future goals. Data Workshops in every chapter give students a chance to apply theoretical concepts to their personal lives and actually do sociology.