Advanced Agile Product Management
The Stances of the Product Owner
Chris Lukassen, Robbin Schuurman

Key Selling Points:
Practical, proven approaches to agile product management: master "product owner stances" that lead to marketplace winners!

- Learn crucial behaviors, tools, accountabilities, concepts, and skills for delivering great products and services
- Avoid common bad habits that lead product managers astray
- Extensively tested in real product organizations, and successfully taught to thousands of product professionals
- Based on Scrum.org’s breakthrough Professional Scrum Product Owner-Advanced (PSPO-A) training course: an ideal complement for every PSPO participant

Summary
Organizations pour vast resources into building new products and services. Yet, too many new offerings are poorly conceived, don’t delight (or even satisfy) customers, and fail in the marketplace. More effective product ownership and product management can keep that from happening to you. Now, there’s an expert guide to world-class agile product development, reflecting deep in-the-trenches experience from two renowned product innovation experts and Scrum consultants. Chris Lukassen and Robbin Schuurman introduce powerful behaviors, tools, concepts, and skills for delivering superior products and services, and avoiding pitfalls that keep you from understanding what customers really need and want. You’ll learn how to make crucial decisions based on better insights, not anecdotal or subjective second-hand information; and optimize roles including product owner, customer representative, visionary, experimenter, decision-maker, collaborator, and influencer. The authors teach through a start...

Contributor Bio
Chris Lukassen (Apeldoorn, The Netherlands), the "Product Samurai," has long been passionate about creating, developing, and introducing innovative products and services. After extensive experience at enterprises including Thales, TomTom and Saab, he is now at CarePay, improving healthcare in Africa by leveraging mobile phones to create trusted networks of participants, providers, and payers. At T...

Marketing Plans
- The book is based on Scrum.org’s highly impactful training course, Professional Scrum Product Owner-Advanced (PSPO-A) and will be displayed in every PSPO-A course around the globe as a highly recommended read.
- The Product Owner market is significant; keyword searches on LinkedIn yields 765,000 hits on Product Owner, 1.7m hits on Product Manager, and 62,000 on Product Lead.
- Performance of ITP’s exist...
Go Fundamentals
Gopher Guides
Mark Bates, Cory LaNou

Key Selling Points:
Start writing production-ready Go code fast - even if you and your team have no Go experience

- For developers and teams who want to quickly leverage existing expertise - whether they're coming from C++, C#, PHP, Ruby, Java, JavaScript, Python, Rust, Swift, or other languages
- Quickly master Go syntax, slices, idioms, embedding, interfaces, concurrency, and more
- Build powerful tests for rapidly improving code reliability and performance
- Spot and fix common Go coding pitfalls
- By two leading contributors to the Go community, Mark Bates and Cory LaNou - hosts of GopherCon, the world's largest Go conference

Summary
Thousands of developers and teams want to start taking advantage of Go, the powerful language used in projects ranging from Kubernetes to Docker and Vault. Go Fundamentals is specifically designed to get you up-to-speed fast, leverage your existing knowledge, and help you avoid common mistakes made by Go newcomers. Based on the authors' pioneering Gopher Guides training curricula, it will help you:

- Quickly understand, read, and use Go syntax
- Work effectively with collection types, iteration, functions, structs, and pointers
- Understand the internals of Go Slices and learn how to use them properly
- Write idiomatic Go using core principles such as embedding and interfaces
- Gain a deep understanding of Go concurrency, to write more robust, well-performing code
- Create proper tests, including table tests, to quickly identify and fix problems
- Take advantage of channels, context, generics, templating and other sophisticated features
- Build web apps with HTTP and HTML, and more

Contributor Bio
Mark Bates (Melrose, MA), a 25-year technology industry veteran, has written four books and spoken at tech events worldwide. He began his career building web applications and backend tooling for companies including Palm, McKesson, and Nokia. He subsequently created a successful consultancy serving clients including Apple and USA Today, and launched the video training service Metacasts.TV. In 2017,...

Marketing Plans
The most effective marketing tool will be the authors. In addition to using and promoting the book in their trainings, the authors are also extremely active in the Go community: they run the largest Go Conference (GopherCon, in NY, which had 5,000 attendees in 2021), and are frequent guests on the The Go Time Podcast.
Creating and Using Virtual Prototyping Software
Principles and Practices
Douglass E. Post, Richard P. Kendall

Key Selling Points:
The complete guide to using virtual prototyping to develop, deploy, and sustain high-performance software applications for science and engineering

- By two world-renowned experts in high-performance computing: SRI's Douglass Post, and Richard Kendall
- Step-by-step guidance for exploiting exponential improvements in supercomputing: information rarely if ever documented by software vendors in the field
- Replete with valuable teaching and learning features, including examples, case studies, references, and sidebars - all flexibly organized to help readers start wherever they need to
- Covers practical tasks professionals need to accelerate their careers - from proposal development to advanced product development and upgrades

Summary
Develop, Deploy, and Sustain High-Performance Virtual Prototyping for Advanced R&D

Organizations must reduce time-to-market, costs, and risks while producing high-quality products that grow ever more complex. In response, many are turning to advanced software for rapidly creating and analyzing virtual prototypes, and accurately predicting the performance and behavior of the systems they represent. This requires a deep understanding of physics-based digital engineering and high-performance computing, as well as unique organizational and management skills. Now, Douglass Post and Richard Kendall bring together knowledge that engineers, scientists, developers, and managers will need to build, deploy, and sustain these specialized applications—including information previously available only in proprietary environments.

Post and Kendall illuminate key issues with a detailed book-length case study based on their work at the U.S. DoD’s pioneering Computational Research and Engineering Acquisit...

Contributor Bio
Dr. Douglass E. Post was the Chief Scientist of the DoD High Performance Computing Modernization Program from 2005 to 2014 and was a Principal Researcher at the Carnegie Mellon University Software Engineering Institute from 2016 to 2020. His major professional interest for almost 50 years has been the development and application of physics-based software
Functional, Object-Oriented, and Concurrent Programming
Michel Charpentier

Key Selling Points:
Produce high-quality code faster, with powerful functional and concurrent programming techniques

- The first guide to clear away the mystification and intimidation traditionally associated with functional and concurrent programming
- Avoid common pitfalls and misunderstandings, discover practical “do's and don'ts,” and explore advanced constructs
- For any programmer with experience using any modern Java/JVM/object-oriented programming language

Summary
Functional and concurrent programming paradigms can help experienced object-oriented developers write high-quality software faster: code that's easier to understand, debug, optimize, and evolve. But these approaches have often been surrounded by mystification and misconceptions, leading many developers to avoid them. In Functional and Concurrent Programming, Michel Charpentier clears away the confusion, showing how to use these features safely and well, so you can gain their benefits without their pitfalls.

Writing for developers with some object-oriented experience in Java, C++, C#, Python, or elsewhere, Charpentier teaches key concepts through the use of realistic, modern examples: code written in Scala, but relevant to users of any modern object-oriented language. As a hybrid language, Scala can be used effectively to illustrate both object-oriented and functional programming; it offers advanced features for concurrency; and it interoperates with Java, and can use many components of ...

Contributor Bio
Michel Charpentier (Durham, NH), Associate Professor of Computer Science at the University of New Hampshire, specializes in concurrent and distributed computing. His early work focused on foundations (formal verification, theorem proving, compositional reasoning), but he now focuses on practical issues in areas such as multi-threaded programming and heterogeneous, disconnected, distributed systems...
Python Programming with Design Patterns
James W. Cooper

Key Selling Points:
Improve all your Python code with this clear, full-color guide to modern Python object-oriented design patterns

- The only guide to cover 23 powerful Python design patterns, and show the visual interfaces that make them clear and easy-to-use
- Starts with a complete Python primer for those new to the language or to its latest versions
- Teaches proven ways to make the most of abstract classes, multiple inheritance, tkinter GUI libraries, widgets, Canvas, math libraries, databases, images, iterators, and much more
- Includes complete, working visual programs for every example and pattern—all downloadable from Github to help you jumpstart your own projects

- Covers all of Python's principal features with working examples.
- Covers all 23 Design Patterns with visual GUI examples to make the algorithms clearer.
- Written in an accessible style.
- Covers use of six different development environments with recommendations.
- Complete downloadable code for all examples provided on GitHub.

Summary
Improve Students’ Python Code with Modern Object-Oriented Design Patterns

To write clean, efficient, maintainable code, developers everywhere turn to design patterns. Now there's a Python-specific patterns guide that's friendly and practical enough for every Python developer, regardless of experience...

Learn how to write Python code that's more robust, efficient, maintainable, and elegant —whether you're new to the language or you've been coding for years. Python Programming with Design Patterns combines a clear, modern introduction to modern Python with visual, example-driven explanations of 23 proven patterns for writing outstanding object-oriented code. Through these patterns and examples, best-selling patterns author James W. Cooper introduces modern techniques for creating Python objects that interact effectively to make powerful, flexible programs.

Cooper's wide-ranging coverage includes abstract classes, multiple inheritance, GUI programming and widgets, graphical classes, drawing and plotting, math libraries, database programming, Python decorators, images, threads, iterators, creating executable code from Python programs, and much more. He covers the use of six leading Python development environments, and provides complete downloadable code on Github for every example program....

Contributor Bio
James W. Cooper holds a PhD in chemistry and worked in academia, for the scientific instrument industry, and for IBM for 25 years, primarily as a computer scientist at IBM's Thomas J. Watson Research Center. Now retired, he is the author of 20 books, including 3 on design patterns in various languages.
Beautiful C++
30 Core Guidelines for Writing Clean, Safe, and Fast Code
J. Guy Davidson, Kate Gregory

Key Selling Points:

- Write C++ code that's faster, statically type safe, avoids resource leaks, and resists logic errors
- Packed with expert insights and examples
- Focuses on the 30 guidelines most programmers will find most valuable: the perfect complement to Rainer Grimm's comprehensive reference
- By Guy Davidson and Kate Gregory, internationally respected C++ programmers who are directly involved in evolving the C++ standard
- Forewords by Bjarne Stroustrup, C++'s creator and designer, and Herb Sutter, leading C++ architect and ISO/ANSI standards committee chair

Make the most of modern C++: ISO C++ 17/20, C++14, and C++11 and the powerful C++ Core Guidelines

- Write C++ code that's faster, statically type safe, avoids resource leaks, and resists logic errors
- Packed with expert insights and examples
- Focuses on the 30 guidelines most programmers will find most valuable: the perfect complement to Rainer Grimm's comprehensive reference
- By Guy Davidson and Kate Gregory, internationally respected C++ programmers who are directly involved in evolving the C++ standard
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Summary

Discover the Beauty of Modern C++

"Beautiful C++ presents the C++ Core Guidelines from a developer's point of view with an emphasis on what benefits can be obtained from following the rules and what nightmares can result from ignoring them. For true geeks, it is an easy and entertaining read. For mo...

Discover the Beauty of Modern C++

"Beautiful C++ presents the C++ Core Guidelines from a developer's point of view with an emphasis on what benefits can be obtained from following the rules and what nightmares can result from ignoring them. For true geeks, it is an easy and entertaining read. For most software developers, it offers something new and useful."

--Bjarne Stroustrup, inventor of C++ and co-editor of the C++ Core Guidelines

Writing great C++ code needn't be difficult. The C++ Core Guidelines can help every C++ developer design and write C++ programs that are exceptionally reliable, efficient, and well-performing. But the Guidelines are so jam-packed with excellent advice that it's hard to know where to start. Start here, with Beautiful C++.
Network Security (3rd Edition)
Private Communications in a Public World
Charlie Kaufman, Radia Perlman, Mike Speciner, Ray Perlner

Key Selling Points:
The definitive guide to network security concepts and challenges: now fully updated to reflect the latest technologies and threats

- Friendly, intuitive, rigorous, comprehensive, and practical
- Includes detailed sections on cryptography, authentication, connection protocols, and network applications
- Contains new coverage of quantum computing, post-quantum algorithms, electronic money, homomorphic encryption, and secure multiparty communication
- Illuminates subtle issues missed by books focused solely on implementation details
- Explains the math you need to know, where you need to know it
- By a legendary author team led by Charlie Kaufman and Radia Perlman

- New edition of the classic text on computer security from legendary pioneers in network security
- Thoroughly re-written to reflect contemporary issues in cybersecurity
- Friendly, intuitive, rigorous, comprehensive, and practical
- Includes detailed sections on cryptography, authentication, connection protocols, and network applications
- Contains new coverage of quantum computing, post-quantum algorithms, electronic money, homomorphic encryption, and secure multiparty communication
- Illuminates subtle issues missed by books focused solely on implementation details

Summary
A thoroughly-revised edition of the landmark text on computer security

This guide uncovers the technology behind network security: its strengths, weaknesses, past, and future. It answers fundamental questions like: How do you identify yourself and prevent others from impersonating you? How do you co...

With ever more of our commercial and personal lives occurring electronically, network security is vital. When networks don’t have secure foundations, malware steals from us, invades our privacy, and threatens our safety. This guide uncovers the technology behind network security: its strengths, weaknesses, past, and future. It answers fundamental questions like: How do you identify yourself and prevent others from impersonating you? How do you communicate with others? How do you maintain your privacy? How do you buy and sell things? As a tutorial, it explains sophisticated concepts in a friendly and intuitive manner. As a reference, it covers concepts and techniques rigorously and in depth.

The authors cover a wide spectrum of topics essential for securing web-based transactions, including public and secret key cryptography, hashes/message digests, signatures, authentication, blockchains, electronic money, secret sharing, and multiparty computation.
Balancing Coupling in Software Design
Successful Software Architecture in General and Distributed Systems
Vlad Khononov

Key Selling Points:
Why modular distributed systems still fail to deliver easy, rapid change – and how to solve the problem

- Harness coupling as a purposeful software design tool, and improve your designs whether you use microservices or not
- Get practical guidance for designing any modular distributed system
- The latest book in Vaughn Vernon’s important Addison-Wesley Signature Series – by Vladik (Vlad) Khononov, a world-renowned expert in modern software architecture

Summary
This book identifies the deeper problem—how software architects and designers approach coupling – and introduces an important new approach for creating more successful designs whether you use microservices or not. Instead of blindly avoiding coupling, leading software architecture expert Vladik (Vlad) Khononov proposes a novel method that transforms it into a powerful design tool: “balanced multi-dimensional coupling.” Khononov begins by surveying existing methods of evaluating coupling, and illuminating their strengths and limitations in the context of modern distributed systems. Next, he introduces a new multi-dimensional coupling model, and demonstrates how to harness it to build modular software.

Instead of focusing solely on a single approach, Balancing Coupling in Software Design...

Contributor Bio
Vladik (Vlad) Khononov (Israel) is a software engineer with more than 20 years of industry experience working for companies large and small in roles ranging from webmaster to chief architect. evolutionary architecture, he currently helps companies make sense of their business
Creating Agile Organizations
A Systemic Approach
Cesario Ramos, Ilia Pavlichenko

Key Selling Points:
How to guide even the largest organization in successfully applying Scrum
- Go beyond coaching individual teams to coaching the entire organization
- Master comprehensive principles, practices, and guidelines for large scale product development
- By two of the world’s leading Certified Large Scale Scrum (LeSS) Trainers
- For all Scrum Masters, trainers, coaches, and team members bringing agility to larger projects

Summary
This guide will help Scrum Masters, trainers, and leaders to facilitate, coach, and teach Scrum across entire organizations, not just individual teams. Internationally renowned Scrum/Agile coaches Cesario Ramos and Ilia Pavhlichenko focus on the specific challenges that Scrum Masters encounter when adopting Scrum at the enterprise level, when working on organizational design with large products, and multiple teams across many departments and locations. They draw on years of experience scaling Scrum at widely diverse companies worldwide, offering techniques you can use with any technologies, in any environment.

After concisely reviewing relevant Professional Scrum Master principles, history, and techniques, Ramos and Pavhlichenko present concrete tools for successfully extending Scrum throughout virtually any large organization. You will find specific solutions for real-world challenges such as preparing and facilitating large scale Scrum meetings, practicing your personal skills more e...

Contributor Bio
Cesario Ramos (The Netherlands) is an agile transformation coach and product development expert. He works on large scale Scrum adoption worldwide. A Certified Large Scale Scrum (LeSS) Trainer and Professional Scrum Trainer at Scrum.org, he is author of EMERGENT Lean & Agile Adoption for an Innovative Workplace and co-author with Jeff Sutherland and James Coplien of Scrum Patterns.
Learn Enough HTML, CSS and Layout to be Dangerous
An Introduction to Modern Website Creation and Templating Systems
Lee Donahoe, Michael Hartl

Key Selling Points:
Master all you need to know to create and publish websites—3 tutorials in one!

- All the concepts, skills, and approaches you need, without the obscure details you'll never need
- Learn how to build a simple, modern website using current HTML and CSS standards
- Walk step-by-step through setting up, configuring, and creating web page layouts with a static site generating framework
- Organize and track changes to your web pages with Git, the world’s #1 version control system
- Publish your site with GitHub pages
- Understand domain names, register your own, and set up custom email delivery
- Focused exercises and behind-the-scenes insights—all in full color
- Prepares you to collaborate with web developers and succeed on web teams, even if you have no previous experience

Summary
All You Need to Know, and Nothing You Don’t, to Start Creating and Deploying Web Sites

To design, build, and deploy modern websites, you need three core skills: the ability to write and edit HTML, wield CSS to control page design, and create efficient web layouts that serve users well. But you don't need to learn "everything" about HTML, CSS and web layout, just how to use them efficiently to solve real problems. In Learn Enough HTML, CSS and Layout to Be Dangerous, expert developer Lee Donahoe and renowned instructor Michael Hartl teach the specific concepts, skills, and approaches you need to get the job done.

Even if you've never created a web page, the authors help you quickly build technical sophistication and master the lore you need to succeed. Focused exercises help you internalize what matters, without wasting time on details pros don't care about. Soon, it'll be like you were born knowing this stuff--and you'll be suddenly, seriously dangerous.

Learn enough about . . .
- Deploying . . .

Contributor Bio
Lee Donahoe is cofounder of Learn Enough and is an entrepreneur, designer, and front-end developer. At the age of 16 his late father handed him a tutorial on HTML, and for more than 25 years since then he has been creating things for the Web.
Learn Enough JavaScript to be Dangerous
A Tutorial Introduction to Programming with JavaScript
Michael Hartl

Key Selling Points:
Master all you need to know about JavaScript for the web and beyond - without the obscure details you'll never need

- Learn the essentials of JavaScript syntax, and both functional and object programming techniques
- Add interactivity to websites and deploy the results to the live Web
- Go beyond web programming to start using JavaScript as a general-purpose language
- Test to improve code, and improve coding processes with Test-Driven Development (TDD)
- Build a full sample app, from start to finish
- Focused exercises and behind-the-scenes insights - all in full color
- Prepares you to collaborate with developers and succeed on development teams

Summary
All You Need to Know, and Nothing You Don’t, to Write JavaScript for the Web and Beyond

JavaScript plays a key role in modern software development, not only because it is the only language that runs inside virtually all web browsers, but also because it has become widely used for back-end and general-purpose development as well. Although JavaScript is a big language, you don't need to learn "everything" about it to get started--just how to use it efficiently to solve real problems. In Learn Enough JavaScript to Be Dangerous, renowned instructor Michael Hartl teaches the specific concepts, skills, and approaches you need to be professionally productive.

Even if you've never programmed before, Hartl helps you quickly build technical sophistication and master the lore you need to succeed. Treating JavaScript as a general-purpose language right from the start, Hartl offers examples for creating dynamic effects in browsers and for writing scripts and modules using Node.js. Focused exercises h...

Contributor Bio
Michael Hartl created the legendary Ruby on Rails™ Tutorial that helped jumpstart thousands of web development careers. A cofounder and principal author at Learn Enough, Hartl previously earned a Ph.D. in physics at the California Institute of Technology (Caltech), where he received a Lifetime Achievement Award for Excellence in Teaching.
Learn Enough Developer Tools to Be Dangerous
Command Line, Text Editor, and Git Version Control Essentials
Michael Hartl

Key Selling Points:
Master all you need to know to start writing apps with core development tools

- All the concepts, skills, and approaches you need, without the obscure details you'll never need
- Learn the essentials of the Unix/Linux command line, even if you've never used it before
- Master tools for editing plain text—the ubiquitous data format for computer code and web pages
- Use Git version control to track changes and collaborate with millions of developers
- Focused exercises and behind-the-scenes insights—all in full color
- Prepares you to collaborate with developers and succeed on development teams

Summary
All You Need to Know, and Nothing You Don't, About Core Tools for Software Development

Three of the core tools needed for modern software development are the Unix command line, a text editor, and version control with Git. But you don't need to learn "everything" about them, just how to use them efficiently to solve real problems. In Learn Enough Developer Tools to Be Dangerous, renowned instructor Michael Hartl teaches the specific concepts, skills, and approaches you need so you can learn to write apps, get hired, collaborate, and maybe even launch your own company.

Even if you've never used (or even heard of) these tools before, Hartl helps you quickly build technical sophistication and master the lore you need to succeed. Focused exercises help you internalize what matters, without wasting time on details pros don't care about. Soon, it'll be like you were born knowing this stuff--and you'll be suddenly, seriously dangerous.

Learn enough about . . .

- Running a terminal, entering and edit...

Contributor Bio
Michael Hartl created the legendary Ruby on Rails™ Tutorial that helped jumpstart thousands of web development careers. A cofounder and principal author at Learn Enough, Hartl previously earned a Ph.D. in physics at the California Institute of Technology (Caltech), where he received a Lifetime Achievement Award for Excellence in Teaching.
Cay Horstmann

Key Selling Points:
Learn and harness the full potential of Java SE17
• Master advanced techniques, idioms, and best practices for writing superior Java code
• Make the most of enhanced Java I/O APIs, object serialization, and regular expressions
• Efficiently connect to network services, implement servers and the improved HTTP client, and harvest web data
• Process code via scripting and compiler APIs, and use annotations to generate code and files
• Deepen your understanding of the Java Platform Module System, including recent refinements
• Leverage the Java security model, user authentication, and the security library's cryptographic functions
• Preview powerful new APIs for accessing "foreign" functions and memory

Summary
The #1 Java Guide for Serious Programmers: Fully Updated through Java 17

Core Java, Volume II: Fundamentals, Twelfth Edition, is the definitive guide to writing robust, maintainable code. Whatever version of Java you are using—up to and including Java 17—this book will help you achieve a deep and practical understanding of the language and APIs. With with authoritative coverage of enterprise programming, networking, databases, security, modularization, internationalization, code processing, native methods, and more. Cay S. Horstmann explores sophisticated new features with depth and completeness, demonstrating how to use them to build professional-quality applications

This book is written for readers with prior programming experience who are looking for in-depth coverage of the Java language and platform. You'll learn about all language features in detail, including the recent improvements in Java 17. The examples are carefully crafted for easy understanding and maximum practical value, ...

Contributor Bio
Cay Horstmann (San Francisco, CA) is the author of Modern JavaScript for the Impatient (2020), Core Java® SE 9 for the Impatient, Second Edition (2017), Scala for the Impatient, Second Edition (2016), and Java SE 8 for the Really Impatient (2014), all from Addison-Wesley. He has written more than a dozen other books for professional programmers and computer science students.
Multi-Factor Authentication (MFA) Complete Guide
Ned Zaldivar, James Hill

Key Selling Points:
The complete, practical guide to designing, implementing, and operating multi-factor authentication

- Use MFA to prevent identity theft, secure remote access, and deter password compromise
- Discover product-agnostic best practices for MFA configuration, administration, and troubleshooting
- Explore the full spectrum of MFA use cases, technology options, and risks
- Compare the latest biometric options, from behavioral biometrics to TouchID and FaceID
- Plan for next steps beyond MFA

Summary
With over 15 billion stolen credentials to work with, cybercriminals can hijack accounts, discover company secrets, compromise personal information and health care records, and steal virtually any high-value digital asset. To help deter cybersecurity disaster, more and more organizations rely on Multi-Factor Authentication (MFA). Now, there's a single source, vendor-neutral guide to today's leading MFA technologies, applications, best practices, and operations. Enterprise security experts James Hill and Ned Zaldivar reveal how MFA can prevent identity theft, unauthorized remote access, and other attacks, and guide you through configuring, operating and troubleshooting popular solutions across multiple use cases. You'll find proven techniques for integrating MFA into your current environment, leveraging MFA standards, using SMS and push notifications, and much more. A full chapter on biometrics introduces password-less systems, behavioral biometrics, WebAuthn, TouchID, and FaceID. Hill ...

Contributor Bio
James Hill (CCIE No. 29455, CISSP; Houston, TX Area) is co-owner and CTO of H5 Strategic Alliances, LLC, an IT consulting firm specializing in cybersecurity, network access control, architectural design, implementation, and support. He has designed and implemented infrastructure and security solutions at several Fortune® 500 companies, working with a wide spectrum of security
Programming with Rust
Donis Marshall

Key Selling Points:
The expert, up-to-date Rust programming guide developers have been waiting for!

- Overcome Rust's steep learning curve through short, easy-to-consume chapters supported with well-designed companion videos
- Reflects the latest versions of Rust, and thoroughly demystifies innovative features such as lifetimes, ownerships, and patterns
- Practical, focused, complete, and up-to-date: a Rust guide that's ideal for newcomers and professional developers alike

Summary
Rust's exciting innovations have made it the most loved programming language in Stack Overflow's influential survey for five straight years—but its steep learning curve has made many other developers reluctant to dive in. Now, with a growing commitment to Rust from many of the world's leading development organizations, it's the perfect time to start—especially now that there's an up-to-date, accessible, example-rich book to guide you. Long-time enterprise developer Donis Marshall has made Rust easier to understand than ever, with a guide expertly organized into short, bite-sized chapters and supported with focused video tutorials that bring you up-to-speed fast.

Writing for developers at all levels, Marshall starts with the absolute basics, and thoroughly demystifies the Rust technical advances that make it so attractive for next-generation development. Everything's here, from types and assignments to ownership, lifetimes, traits, and crates. Marshall even offers indispensable expert ad...

Contributor Bio
Donis Marshall (San Francisco Bay Area, CA) has 20+ years of experience in designing and building enterprise software with Microsoft technologies for leading companies in multiple industries. An endorsed trainer for Microsoft Global Learning Services, he has trained Microsoft developers and engineers for many years. His Microsoft Press books include Solid Code and Programming Microsoft Visual C#.
Data Structures & Algorithms in Python
John Canning, Alan Broder, Robert Lafore

Key Selling Points:
The practical, Python-focused introduction to data structures and algorithms

- Perfect both for new programmers, undergraduate computer science students, and anyone who wants to go beyond "just writing code" to a deeper understanding
- Demystifies arrays, sorts, stacks, queues, linked lists, recursion, binary trees, 2-3-4 trees, AVL, red-black trees, and many other topics
- Based on the classic *Data Structures and Algorithms in Java*, but thoroughly revamped for modern Python

Summary
Now, there's a practical introduction to data structures and algorithms that relies on today's immensely popular Python language, and is designed for every programmer - from near-beginners to experienced coders who want to write more efficient software. Building on of the field's classic guides, *Data Structures & Algorithms in Python* make it easy for readers to understand exactly how data structures operate, and then apply them in practice with Python. Instead of foregrounding mathematical theory, it stresses examples with real world applications, communicating key ideas with intuitive visualizations, and presenting only enough complexity and math to show how they impact practical performance.

Step by step, the authors cover a wide spectrum of data structures and algorithms, including arrays, sorts, stacks, queues, linked lists, recursion, binary trees, 2-3-4 trees, AVL, red-black trees, and more. Packed with examples, exercises, and supplemental content, this guide is ideal for both se...

Contributor Bio
John Canning (Greater Seattle Area, WA), President of Shakumant Software, consults with enterprises to develop analytic software that delivers meaningful insights for success. Shakumant’s services range from temporary support on short-staffed projects to long-term development and support for mission critical analytics.
**Android Programming** *(5th Edition)*
The Big Nerd Ranch Guide
Kristin Marsicano, Brian Gardner, Bill Phillips, Chris Stewart

**Key Selling Points:**
A nuts and bolts guide to learning how to develop Android applications, from the experts at the Big Nerd Ranch

- Teaches Android app development by developing actual, working apps
- Loaded with real-world sample code
- The material has been developed and classroom-tested at the Big Nerd Ranch

**Summary**

Based on Big Nerd Ranch's popular Android Bootcamp, this guide will lead you through the wilderness using hands-on example apps combined with clear explanations of key concepts and APIs. This book focuses on practical techniques for developing apps in Kotlin compatible with Android 7.0 (Nougat) through Android 12 and beyond.

Write and run code every step of the way, using Android Studio to create apps that integrate with other apps, download and display pictures from the web, store data in databases, and more. Learn about the latest patterns and techniques, including Kotlin coroutines and Jetpack Compose, a new way to build Android UIs. Each chapter and app has been designed and tested to provide the knowledge and experience you need to get started in Android development.

**Contributor Bio**
*Brian Sills* is an Android developer and instructor at Big Nerd Ranch. He enjoys breaking down complex topics into teachable bites. He is an avid Chicago music fan and is often spotted biking around the city.

*Brian Gardner* is a senior Android developer at CashApp and a former Big Nerd Ranch instructor. Always looking for something to learn, you can find him digging into the newest Android libraries,...
Introduction to Game Design, Prototyping, and Development (3rd Edition)
Jeremy Gibson Bond

Key Selling Points:

- The first modern tutorial on both game design and development, revised: covers new Unity releases, C#, as well as Mobile and VR
- Teaches best practices used by professional game designers to rapidly create working, playable prototypes
- Covers today's leading, fastest growing game development platform: Unity
- Focuses on C# and rapid game prototyping
- Includes a full section of modular projects that can jumpstart your own games
- New edition features powerful, updated ancillaries for instructors

The first modern tutorial on both game design and development, now fully revised

- Covers new Unity releases, C#, as well as Mobile and VR
- Teaches best practices used by professional game designers to rapidly create working, playable prototypes
- Covers today's leading, fastest growing game development platform: Unity
- Focuses on C# and rapid game prototyping
- Includes a full section of modular projects that can jumpstart your own games

Summary
A hands-on book that explains concepts "by doing," Introduction to Game Design, Prototyping, and Development, Third Edition, takes students through the process of making both paper and digital game prototypes. Rather than focusing on a single tutorial, as most Unity books have done, this book explo...

A hands-on book that explains concepts "by doing," Introduction to Game Design, Prototyping, and Development, Third Edition, takes readers through the process of making both paper and digital game prototypes. Rather than focusing on a single tutorial, as most Unity books have done, this book explores several small prototypes, reinforcing critical concepts through repetition from project to project. Author Jeremy Gibson Bond’s approach creates a stable of "base projects" that serve as starters for readers looking to create their own games), while skipping the aspects of project creation (e.g. modeling, animation, etc.) that are less central to this book. Intermediate readers may browse this book for a tutorial that clarifies the specific prototyping or programming concept that they wish to learn.

This book begins with an introduction to general game design concepts and basic programming concepts. C# is the chosen language used in this book, and it is easy to learn and enforces good coding...

Contributor Bio
Jeremy Gibson Bond is an award-winning professor and game designer who has spent nearly two decades teaching game design and working as an independent game developer. He regularly speaks at industry festivals and conferences like IndieCade and Meaningful Play. He has also spoken recently at Penguicon and has been invited to speak at top game development universities like the University of Utah
**Captain Code**

**Unleash Your Coding Superpower with Python**

Ben Forta, Shmuel Forta

### Key Selling Points:

- The friendly, full-color introduction to coding for people ages 10-17: teaches through real game development projects.
- Introduces all the core programming concepts you need to know, one step at a time—building smoothly from simple to more complex techniques.
- Teaches using Python, one of the world's most intuitive and powerful programming languages.
- Packed with illustrations in a welcoming layout designed for easy understanding.
- By best-selling author Ben Forta, who wrote the world's #1 introductory SQL database programming book.

### Summary

"This is the book I needed that I did not know I needed. Having taught myself Python and having taught students, there are still some gaps in my knowledge that Captain Code quickly filled. The overall design of the book is wonderful and easy to read. All of the questions I have normally had when it ...

Becoming a coder is all fun and games!

Everyone should learn to code. Much like drawing and sketching, playing an instrument, cooking, or taking pictures and shooting videos, coding is a creative endeavor, which means it's a way to actually create stuff, and creating stuff is incredibly rewarding and satisfying. Sure, it's fun to spend hours on your phone looking at what other people have created; but that's nothing compared to the joy and satisfaction of creating things that other people consume and use. Yep, coding is fun!

And if that weren't enough, when you learn to code you develop all sorts of invaluable skills and traits beyond just coding. These include planning, problem solving, communication, logic, empathy, attention to detail, patience, resilience, persistence, and creativity. And it turns out that these skills (especially creativity and creative problem solving) are some of the most in-demand out there. So, coding will help your future career, too, regardless of what that ca...
The Language of SQL (3rd Edition)
Larry Rockoff

Key Selling Points:

- Offers a high-level introduction at a reasonable price
- Utilizes a language-based approach that allows students to learn SQL as they would learn English
- Updated examples work with the latest versions of Oracle, SQL Server, and MySQL

A quick, clearly written introduction to the use of SQL to store and retrieve information

- Offers a high-level introduction at a reasonable price
- Utilizes a language-based approach that allows readers to learn SQL as they would learn English
- Updated examples work with the latest versions of Oracle, SQL Server, and MySQL

Summary
Get Started Fast with SQL!
The only book students need to gain a quick working knowledge of SQL and relational databases.

Many SQL texts attempt to serve as an encyclopedic reference on SQL syntax—an approach that is often counterproductive because that information is readily available in online references published by the major database vendors.

For SQL beginners, it’s more important for a book to focus on general concepts and to offer clear explanations and examples of what various SQL statements can accomplish. This is that book.

Several features make The Language of SQL unique among introductory SQL books.

First, you will not be required to download software or sit with a computer as you read the text. The intent of this book is to provide examples of SQL usage that can be understood simply by reading.

Second, topics are organized in an intuitive and logical sequence. SQL keywords are introduced one at a time, allowing you to grow your understanding as you encounter new terms and concepts...
Core Java, Volume I (12th Edition)
Fundamentals
Cay S. Horstmann

Key Selling Points:

- Master foundational techniques, idioms, and best practices for writing superior Java code
- Leverage the power of interfaces, lambda expressions, and inner classes
- Harden programs through effective exception handling and debugging
- Write safer, more reusable code with generic programming
- Improve performance and efficiency with Java's standard collections
- Build cross-platform GUIs with the Swing toolkit
- Fully utilize multicore processors with Java's improved concurrency

Timely release of classic bestseller, fully updated for Java SE17

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- Leverage the power of interfaces, lambda expressions, and inner classes
- Harden programs through effective exception handling and debugging
- Write safer, more reusable code with generic programming
- Improve performance and efficiency with Java's standard collections
- Build cross-platform GUIs with the Swing toolkit
- Fully utilize multicore processors with Java's improved concurrency

Summary

The #1 Java Guide for Serious Programmers: Fully Updated through Java 17

Core Java, Volume I: Fundamentals, Twelfth Edition, is the definitive guide to writing robust, maintainable code. Whatever version of Java students are using--up to and including Java 17--this book will help them achieve a deep ...

The #1 Java Guide for Serious Programmers: Fully Updated through Java 17

Core Java, Volume I: Fundamentals, Twelfth Edition, is the definitive guide to writing robust, maintainable code. Whatever version of Java you are using--up to and including Java 17--this book will help you achieve a deep and practical understanding of the language and APIs. With hundreds of realistic examples, Cay S. Horstmann reveals the most powerful and effective ways to get the job done.

This book is written for readers with prior programming experience who are looking for in-depth coverage of the Java language and platform. You'll learn about all language features in detail, including the recent improvements in Java 17. The applied chapters and code examples cover the most up-to-date capabilities of the vast Java library. For 25 years, Core Java has prepared serious programmers for serious Java programming.

This first of two volumes offers in-depth coverage of fundamental Java programming, including object-ori...
Model-Driven DevOps
Increasing agility and security in your physical network through DevOps
Steven Carter, Jason King, Mike Younkers, Josh Lothian

Key Selling Points:
Master a powerful new approach to developing and operating IT infrastructure more quickly, consistently, and securely.

- Leverage Model-Driven DevOps to create, deploy and sustain Infrastructure as Code (IaC)—hands-on
- Apply DevOps principles in the specific context of infrastructure, recognizing both commonalities and crucial differences with other DevOps use cases
- Online code repositories offer you hands-on experience applying DevOps to infrastructure
- By authors with deep experience designing, deploying and operating large IT infrastructures—and building, transforming, and leading infrastructure teams

Summary
Using Model-Driven DevOps and the Infrastructure as Code (IaC) paradigm, IT teams can develop and operate infrastructure more quickly, consistently, and securely than ever before—growing agility, getting to market sooner, and delivering more business value. Now, four leading practitioners walk you step by step through successfully implementing Model-Driven DevOps. Drawing on deep hands-on experience, they share lessons learned, present solutions to common pitfalls, and illuminate crucial differences between DevOps for infrastructure and the application-based DevOps most books cover.

This relentlessly practical guide shows developers and operators how to work together in tailoring its detailed, prescriptive approach to infrastructure, and how to address the human and organizational issues that cause some organizations to fail. You'll learn how to create SDN and IaC data models to manage massive numbers of network elements, organize enormous quantities of network data, and apply DevOps to...

Contributor Bio
Steven Carter (CCIE R&S; Raleigh, NC), Principal DevOps Engineer at Cisco, has 25+ years of experience at large universities, R&D labs, and private sector companies. He has spent the last five years working for Red Hat Ansible and Cisco Systems consulting, and coding for world-class organizations as they modernize and secure operations with DevOps.
Establishing SRE Foundations
A Step-by-Step Guide to Introducing Site Reliability Engineering in Software Delivery Organizations
Vladyslav Ukis

Key Selling Points:
The step-by-step, “boots-on-the-ground” guide to improving software/service scalability and reliability with Site Reliability Engineering (SRE)

- Helps you succeed with SRE, even if your developers have never done operations before, and your operations teams have never built frameworks to support them
- Shows how to establish SRE's cultural, organizational, and technical process foundations right, so you can avoid problems and get results sooner
- Answers the crucial questions implementers and leaders are asking about SRE
- Helps software and other IT professionals succeed in one of the fastest-growing areas of DevOps

Summary
Pioneered by Google in its quest to create more scalable and reliable large-scale software systems, Site Reliability Engineering (SRE) has established itself as one of today's fastest-growing areas of innovation in DevOps and software engineering. Establishing SRE Foundations offers a concise and practical introduction to SRE that focuses specifically on how to drive successful adoption in your own software delivery organization. It presents a step-by-step approach to establishing the right cultural, organizational, technical process foundations, getting to a minimum viable SRE as quickly as feasible, and improving from there.

Dr. Vladyslav Ukis illuminates SRE's core concepts and rationale, and answers essential questions such as:

- What does it take to drive SRE adoption where development organizations haven't done operations before, and ops organizations haven't closely collaborated with them?
- What if your operations organization is already struggling to operate its products?
- How can orga...

Contributor Bio
Dr. Vladyslav Ukis has degrees in computer science from the University of Erlangen-Nuremberg, Germany, and from the University of Manchester, UK. He joined Siemens Healthineers after each graduation and has been working on software architecture, enterprise architecture, innovation management, private and public cloud computing, team management, engineering management, portfolio management,
The Professional Agile Leader
Growing Mature Agile Teams and Organizations
Ron Eringa, Kurt Bittner, Laurens Bonnema

Key Selling Points:
The aspiring agile leader's guide to rewiring belief systems about good management, and helping organizations transform and thrive

- Coverage includes: rediscovering the customer, shifting from output to impact, moving beyond predictable existential crises, growing leaders everywhere, and creating the path ahead
- Complements Scrum.org's Professional Agile Leadership-Essentials (PAL-E) course, and prepares you for the high-value Professional Agile Leadership I (PAL I) certification assessment
- By an internationally-renowned team of Scrum/Agile consultants, including Kurt Bittner
- The newest title in The Professional Scrum Series co-published by Scrum.org and Pearson

Summary
Hone Your Agile Leadership Skills to Help Your Organization Transform and Thrive

"Drawing on vast experience, Ron, Kurt, and Laurens tease out practical tips and patterns for good leadership [and show] how a leader can help shape the environment for agile teams to succeed. . . . The narrative style of the book makes it easy to read, and I am sure there will be many times that you see yourself in it."
--From the Foreword by Dave West, CEO and Product Owner, Scrum.org

To leverage the immense opportunities associated with accelerating change, organizations need teams capable of innovating, failing fast, learning the right lessons, and rapidly applying those lessons. This requires agile leaders with fundamentally different skillsets—leaders who can break through obsolete definitions of "good management."

The Professional Agile Leader is a realistic, practical guide, written by three Scrum pioneers who demonstrate proven ways to foster responsive and adaptive team cultures. They structure powe...

Contributor Bio
Ron Eringa is a Leadership Developer. His mission is to create organizations where people love to work and where real customer value is created. In the last 20 years he has built expertise on how to lead IT organizations that use Agile and Scrum. After an initial education in electrical engineering and software engineering he ended up in different leadership roles.
## Lean DevOps

A Practical Guide to On Demand Service Delivery  
Robert Benefield

### Key Selling Points:

- Powerful visual management techniques for improving the speed and quality of IT service delivery and the transparency and effectiveness of IT teams
- Expert real-world insights for managing unplanned work and work in progress
- Up-to-date guidance on successfully integrating IT run practices with Agile and Kanban methods
- Better ways to strengthen connections between IT and customers

### Beyond tools and hype! Today's pragmatic guide to implementing DevOps across even the most complex entire enterprise

- Powerful visual management techniques for improving the speed and quality of IT service delivery and the transparency and effectiveness of IT teams
- Expert real-world insights for managing unplanned work and work in progress
- Up-to-date guidance on successfully integrating IT run practices with Agile and Kanban methods
- Better ways to strengthen connections between IT and customers

### Summary

**Lean DevOps** offers a practical approach for implementing the principles and practices needed to enable DevOps within organizations large or small.

Robert Benefield draws on decades of in-the-trenches experience building and leading IT teams from start-ups to giant multinationals, including the first software-as-a-service providers, leading investment banks, and highly-regulated telecom and energy utilities. Using real world examples, he shows how applying agile and lean manufacturing techniques within a DevOps context can dramatically improve speed, quality, and business insight for outmaneuvering the competition.

You’ll learn how to respond to the transformational impact of companies like Amazon and Netflix, who are offering services faster, cheaper, and with higher quality and innovation, while disrupting foundational concepts of IT infrastructure, software, and service delivery.

Benefield shows how to apply agile practices such as Scrum and Kanban in running and managing software,...

### Contributor Bio

**Robert Benefield** (London, UK Area) has 20+ years of experience building and delivering high quality teams, products, and services at organizations from startups to some of the world's highest-profile companies.
**Principles of Web API Design**
*Delivering Value with APIs and Microservices*
James Higginbotham

**Key Selling Points:**
The definitive guide to designing APIs for every developer, architect, and development team member

- All you need to know to design any API, and scale API design processes across your organization
- Real-world insights from the author’s 5+ years of training and hands-on coaching of API teams in diverse environments
- Addresses all leading styles of API development, including REST, RPC, GraphQL, messaging, streaming, and event-based async APIs
- Offers a proven, start-to-finish process for moving from requirements to optimal design, based on your audience’s requirements
- Part of the highly respected *Addison-Wesley Signature Series*

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**Summary**
The Full-Lifecycle Guide to API Design

*Principles of Web API Design* brings together principles and processes to help students succeed across the entire API design lifecycle. Drawing on extensive in-the-trenches experience, leading consultant James Higginbotham helps students align every stakeholder o...

**The Full-Lifecycle Guide to API Design**

*Principles of Web API Design* brings together principles and processes to help you succeed across the entire API design lifecycle. Drawing on extensive in-the-trenches experience, leading consultant James Higginbotham helps you align every stakeholder on specific outcomes, design APIs that deliver value, and scale the design process from small teams to the entire organization.

Higginbotham helps you bring an "outside-in" perspective to API design to reflect the voices of customers and product teams, map requirements to specific and well-organized APIs, and choose the right API style for writing them. He walks through a real-world example from the ground up, offering guidance for anyone designing new APIs or extending existing APIs.

-
Securing 5G and Evolving Architectures
Pramod Nair

Key Selling Points:

- Explains the latest threats and mitigation techniques for different industries [Service Provider, public cloud provider, Defense, Health, Automotive, Critical IoT, etc.] based on the new use cases for 5G being deployed or planned to deploy by service providers
- Covers real-world case studies of security controls for deployment of 5G gathered from discussions and workshops with multiple service providers
- Addresses 5G threats and mitigation techniques for different methods of deploying 5G technology [Cloud RAN, Open RAN, Fixed Wireless Access, etc.] taking into consideration the latest developments in the 3GPP standards
- Intersection of hot topics: 5G and security

A comprehensive, real-world guide to securing 5G networks.

- Explains the latest threats and mitigation techniques for different industries [Service Provider, public cloud provider, Defense, Health, Automotive, Critical IoT, etc.] based on the new use cases for 5G being deployed or planned to deploy by service providers
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- Intersection of hot topics: 5G and security

Summary

SECURING and EVOLVING ARCHITECTURES

5G initiates a period of technological evolution where the benefits transcend faster data download speeds and enable services that will change the way we all live and consume technology. Leveraging 5G's openness, a new developer ecosystem is building breakthrough services that billions of people will consume, delivering immense value to enterprises and subscribers alike. For 5G to achieve its potential, organizations must embrace multi-layered security that goes far beyond 3GPP specifications. Now, leading security architect Pramod Nair helps network professionals climb the steep learning curve associated with securing 5G, fully understand its threat surfaces, systematically mitigate its risks, and maximize the value of their security investments.
A Network Architect's Guide to 5G
Syed Farrukh Hassan, Alexander Orel, Kashif Islam

Key Selling Points:
The essential guide to designing, deploying, and operating a 5G transport network: by data network engineers for data network engineers!

- Takes a fully data-network-centric approach to 5G technologies and their architectural implications - unlike most books, which focus on the needs of radio or RF engineers
- Provides detailed practical information that guides network architects and engineers in their journey towards 5G-ready data networks
- Review questions after every chapter help learners check their knowledge and move forward

Summary
5G will deliver unprecedented growth in mobile adoption, transform users' data consumption patterns, enable innovative services - and require tectonic changes in data networks. A Network Architect's Guide to 5G arms traditional network engineers with a thorough understanding of 5G technology from their own perspective. Unlike 5G books written primarily for RF/radio engineers, it focuses specifically on the concerns of data networking professionals and the implications for networks they plan and operate.

A Network Architect's Guide to 5G draws on the authors' decades of advanced experience in next-generation network design, architecture, and implementation in service provider and enterprise environments. It guides you through all facets of designing and planning 5G ready networks in the real world, addressing key technologies such as segment routing, Software Defined Networking (SDN) for transport, mobile backhaul, edge computing, and virtualization. You'll learn how 5G requires formerl...

Contributor Bio
Syed Farrukh Hassan (CCIE No. 21617, SP & DC; Kanata, ON, Canada), Senior Solutions Architect in Cisco's professional and consulting services organization, has been in the networking industry for 20 years. He has helped multiple Internet and cloud service providers adopt innovative network technologies, design and deploy new architectures, and plan network strategy.
Adobe Photoshop, Illustrator, and InDesign Collaboration and Workflow
Bart Van de Wiele

Key Selling Points:
Save time, work more flexibly, and improve efficiency with Adobe design solutions - on your own, and in any team!

- The full-color guide to getting more out of Photoshop, Illustrator, and InDesign by taking full advantage of their powerful integrations and native file formats
- Includes new insights for improving content collaboration with Adobe cloud documents and Creative Cloud Libraries
- Demonstrates expert techniques for all output channels: print, web, video, UX, online marketing, and beyond
- Packed with hands-on exercises based on real-life projects and scenarios
- Includes bonus step-by-step video tutorials by renowned Adobe Principal Solutions Consultant Bart Van de Wiele

Summary
Adobe Creative Cloud now offers powerful opportunities for improving efficiency and collaboration that few design and marketing professionals are using, even those already comfortable with Photoshop, Illustrator, and InDesign. In this hands-on, full-color tutorial, Adobe Principal Solutions Consultant Bart Van de Wiele helps you master these innovations - dramatically improving both team and individual efficiency in every print, web, video, UX, or online marketing project.

Van de Wiele helps you establish powerful workflows that leverage the remarkable capabilities of Adobe's native file formats, and improve content collaboration via Adobe cloud documents and Creative Cloud Libraries. You’ll find concise, focused insights for managing tradeoffs, so you can optimize workflows and collaboration strategies in your own organization. Packed with hands-on exercises built around realistic use cases, there’s no better way to experience all the added value built into today’s Adobe Creative Cloud...

Contributor Bio
Bart Van de Wiele (De Pinte, Belgium) is an Adobe Creative Cloud specialist with a passion for Adobe's design applications and solutions, and 20+ years' experience as an Adobe trainer, author, and consultant. An award-winning speaker at design conferences across Europe and the US, he serves as Principal Solutions Consultant for Adobe, advising diverse clients on design best practices, collaboratio...

Marketing Plans
Pearson sites and mailing lists

- Inclusion in site-wide and targeted promotional campaigns (topic, series, or holiday-themed)
- New title feature on topic or imprint landing page on Peachpit.com, which receives hundreds of thousands of unique visitors each month
- Featured in email to all registered newsletter subscribers
- Book announcement in quarterly Peachpit Academic Newsletter
Adobe Premiere Pro Classroom in a Book (2022 release)
Maxim Jago

Key Selling Points:
The best-selling guide to Premiere Pro—the powerful digital video editing application from Adobe—fully updated.

- Includes hands-on lessons that use clear, step-by-step instructions with accompanying screenshots to explain how to efficiently edit video in Premiere Pro.
- Offers an end-to-end approach to the software for beginning students, from ingesting footage to exporting the final product.
- Companion online files includes sample media files for all of the book's projects.
- Includes Web Edition with step-by-step video instruction and quizzes so learners can test themselves.

Summary
The fastest, easiest, most comprehensive way to learn Adobe Premiere Pro Classroom in a Book®, the best-selling series of hands-on software training workbooks, offers what no other book or training program does—an official training series from Adobe, developed with the support of Adobe product experts.

Adobe Premiere Pro Classroom in a Book (2022 release) contains 17 lessons that cover the basics and beyond, providing countless tips and techniques to help you become more productive with the program. You can follow the book from start to finish or choose only those lessons that interest you.

Purchase of this book includes valuable online features. Follow the instructions in the book's "Getting Started" section to unlock access to:

- Downloadable lesson files you need to work through the projects in the book
- Web Edition containing the complete text of the book that walk you through the lessons step by step

What you need to use this book: Adobe Premiere Pro (2022 release) software, for either Win...

Contributor Bio
Maxim Jago is a media trainer, presenter, award-winning writer, and film director. He's also an Adobe Master Trainer and author of the previous editions of this book and several editions of Adobe Premiere Pro Learn by Video.
Adobe Photoshop and Lightroom Classic for Photographers Classroom in a Book (3rd Edition)
Rafael Concepcion

Key Selling Points:
The fastest, easiest, most comprehensive way to learn Adobe Photoshop in conjunction with Adobe Photoshop Lightroom Classic!

- Use the latest versions of Photoshop and Lightroom Classic together to achieve extraordinary results and unprecedented productivity
- Step-by-step tutorials and lesson files (illustrated with video in the web edition)—all developed with the full support of Adobe's product experts
- Ideal for photographers at all levels of experience who subscribe to Adobe Creative Cloud or Adobe's Creative Cloud Photography Plan

Summary
Adobe Photoshop and Lightroom Classic Classroom in a Book contains lessons that cover the basics and beyond, providing countless tips and techniques to help you become more productive with the programs. You can follow the book from start to finish or choose only those lessons that interest you.

Using Photoshop and Lightroom Classic together can dramatically speed your workflow and decrease editing time. This book teaches you exactly when to use each program and how to pass images back and forth between them at the highest possible quality. You'll learn how to import, organize, correct and add creative color effects in Lightroom using global and local editing tools, as well as how to merge multiple exposures and stitch panoramas. In Photoshop, you'll learn practical techniques for combining photos, pro-level retouching, creating precise selections, masking, turning a photo into a painting and pencil sketch, and adding creative blur effects. Back in Lightroom, you'll learn how to show off...

Contributor Bio
Rafael "RC" Concepcion (Syracuse, NY) is an award-winning photographer, podcast host, educator, and the author of five best-selling books on Photography, Photoshop, Lightroom, and HDR. He is a Digital Post-Production Specialist and Adjunct Professor at the Newhouse School for Visual Communications at Syracuse University. As an Adobe Certified Instructor in Photoshop, Illustrator, and Lightroom,
Adobe Photoshop Lightroom Classic Classroom in a Book (2022 release)
Rafael Concepcion

Key Selling Points:
The fastest, easiest, most comprehensive way to learn Adobe Photoshop Lightroom in conjunction with Adobe Photoshop.

- Official training series from Adobe Systems Inc., developed with the support of Adobe product experts
- Comprehensive, project-based lessons teach key concepts for image editing and adjustment, management of large volumes of digital photographs, and creation of video slideshows with Photoshop Lightroom Classic
- All updated lessons cover new features

Summary
The fastest, easiest, most comprehensive way to learn Adobe Photoshop Lightroom Classic 2022

Classroom in a Book®, the best-selling series of hands-on software training workbooks, offers what no other book or training program does—an official training series from Adobe, developed with the support of...

Learn proven methods to keep your photography archive organized.

Leverage tools in each module to reduce the amount of time you spend working on images.

Take advantage of ground-breaking changes to AI-based masking to select skies, subjects, color ranges, and tones, making hours of editing turn into minutes.

Experiment with color grading tools to pull the best out of all of the elements in your images.

Create stylish books and print layouts, dynamic slideshows, and interactive web galleries to showcase your images.

Access collections and presets on your desktop, mobile device, or on the web!

The fastest, easiest, most comprehensive way to learn Adobe Photoshop

Classroom in a Book®, the best-selling series of hands-on software training workbooks, offers what no other book or training program does—an official training series from Adobe, developed with the support of Adobe product experts.

Adobe Photoshop Lightroom Classic Classroom in a Book (2022 release) contains 11 lessons that cover the basi...

Contributor Bio
Rafael “RC” Concepcion is an award-winning photographer, podcast host, and educator, and the author of seven best-selling books on photography, Photoshop, Lightroom, and HDR. He is a digital post-production specialist and adjunct professor at the S.I. Newhouse School for Visual Communications at Syracuse University.
Adobe Animate Classroom in a Book (2022 release)
Russell Chun

Key Selling Points:

- Bestselling Classroom in a Book series is the ideal way for students to learn how to create high-quality animation and interactivity for the Web using project-based lessons.
- Aimed at beginning users and designed to teach Adobe Animate features, such as designing interactive animations and publishing them on multiple platforms for multiple devices.
- Official training series from Adobe, developed with the support of experts from Adobe product teams.

Classroom in a Book training for Adobe Animate—the robust and flexible animation tool from Adobe!

- Bestselling Classroom in a Book series is the ideal way for readers to learn how to create high-quality animation and interactivity for the Web using project-based lessons.
- Aimed at beginning users and designed to teach Adobe Animate features, such as designing interactive animations and publishing them on multiple platforms for multiple devices.
- Official training series from Adobe, developed with the support of experts from Adobe product teams.

Summary

Adobe Animate Classroom in a Book (2022 release) contains 11 lessons that cover the basics and beyond, providing countless tips and techniques to help students become more productive with the program. Students can follow the book from start to finish or choose only those lessons that interest them.

A...

The 2022 release of Adobe Animate provides significant new controls for animation with puppet warping and improvements to layer parenting, and enhancements to paint brush preferences and symbol options. Learn to use the revamped Asset Warp tool for a modern rigging approach to animating shapes and bitmap images. Work with a more robust set of playback options for graphic symbols that provides total control over looping. Quickly publish to social media channels with support for SVG, WebGL, HTML5, animated GIFs, and HD video. Seamless collaboration through Adobe Creative Cloud makes Adobe Animate the ideal development environment for creative animation and multimedia.

The fastest, easiest, most comprehensive way to learn Adobe Animate

Classroom in a Book®, the best-selling series of hands-on software training workbooks, offers what no other book or training program does—an official training series from Adobe, developed with the support of Adobe product experts.

Adobe Animate Classroom in a ...

Contributor Bio

Russell Chun is an associate professor at the Lawrence Herbert School of Communication
Adobe Dreamweaver Classroom in a Book (2022 release)
James J. Maivald

Key Selling Points:

- Includes hands-on lessons that use clear, step-by-step instructions with screenshots to teach students how to build web pages using Dreamweaver CC.
- Online components include all lesson files plus video-enhanced Web Edition of the book with assessment.
- Ancillary Instructor Notes included for instructors teaching a course on Dreamweaver.

The best-selling guide to Adobe's powerful web design application, fully updated.

- Includes 14 hands-on lessons that use clear, step-by-step instructions with screenshots to teach students how to build web pages using Dreamweaver CC.
- Online components include all lesson files plus video-enhanced Web Edition of the book with assessment.
- Classroom in a Book is the official training series from Adobe Systems Inc., developed with the support of Adobe product experts.

Summary
Learn how to create webpages for the modern web; incorporate graphics and text; build rich interactive applications; add links to text and images; add interactive elements to sites; work with HTML5 and CSS3 code and structures; adapt webpage designs to a wide variety of desktop computers and mobile devices with a minimum of hand coding; and publish a finished site to the web.

The fastest, easiest, most comprehensive way to learn Adobe Dreamweaver

Classroom in a Book®, the best-selling series of hands-on software training workbooks, offers what no other book or training program does—an official training series from Adobe, developed with the support of Adobe product experts.

Adobe Dreamweaver Classroom in a Book (2022 release) contains 12 lessons that cover the basics and beyond, providing countless tips and techniques to help you become more productive with the program. You can follow the book from start to finish or choose only those lessons that interest you.

Purchasing this book inc...

Contributor Bio

Jim Maivald is a graphic designer and artist with 25 years of experience in publishing and production. He has written three editions of Adobe Dreamweaver Classroom in a Book, as well as, courseware on Adobe InDesign and XML geared for designers, Adobe Photoshop and CorelDRAW, and dozens of articles for national magazines on electronic publishing and production.
Understanding and Troubleshooting Cisco Catalyst 9800 Series Wireless Controllers
Simone Arena, Nicolas Darchis, Sudha Katgeri, Francisco Sedano Crippa, Francisco Sedano

Key Selling Points:
The definitive end-to-end guide to the next generation of Cisco wireless controllers and Cisco's advanced 9800 IOS-XE architecture

- For every wireless network engineer, architect, and operator, regardless of previous Cisco-specific knowledge
- Covers everything from Day 0 deployments to advanced troubleshooting
- Shows how to configure controller interfaces, build WLANs, use AP groups and RF deployment guidelines, leverage DNA Spaces and DNA Center, and more
- Guides you step-by-step through applying advanced 9800-specific functions
- Includes thorough coverage of programmability and telemetry: topics new to many wireless professionals

Summary
This is the go-to resource guide for every networking professional working with modern Cisco wireless technologies, including the new IOS-XE-based Cisco 9800 controllers. Four of Cisco’s leading wireless experts bring together deep practical insight for every topic associated with the new architecture, from Day 0 deployments to advanced troubleshooting. Their insights will help you make the most of Cisco’s next-generation intent-based wireless controllers in enforcing security, meeting QoS standards, deploying multicast, and leveraging advanced programmability and telemetry.

Wireless engineers, architects, and operators will find expert advice on configuring controller interfaces, building WLANs, using AP groups, taking full advantage of Cisco’s RF deployment guidelines, using DNA Spaces and DNA Center, and improving efficiency by applying brand-new 9800-specific functions.

Whatever your role in designing, deploying, implementing, or managing Cisco 9800 controllers, Building and Trouble...

Contributor Bio
Sudha Katgeri (CCIE No. 45857; Richardson, TX) is a Technical Leader in Services for Enterprise Wireless who has been at Cisco for 13 years. Sudha supports customer escalations, collaborates with Customer Experience (CX), Enterprise Networking (ENB) Escalation and Engineering to improve product quality and serviceability, and contributes to Wireless TAC innovation tools
Cisco Cloud Infrastructure
Avinash Shukla, Jalpa Patel

Key Selling Points:
Expert Cisco solutions for managing, operating, and integrating existing infrastructure in high-value hybrid/multi cloud environments

- Improve your cloud environments with minimum disruption and maximum business benefit
- Learn how Cisco cloud infrastructure technologies for the Data Center, Security and Applications domains have evolved to support advanced Hybrid Cloud models
- Discover new ways to reduce hosting costs, improve agility and scalability, accelerate deployment, and strengthen security

Summary
Hybrid cloud adoption is accelerating, as companies discover that hybrid cloud architectures can reduce hosting costs, improve agility, promote scalability, accelerate deployment, and enhance security. Cisco Cloud Infrastructure is the definitive reference for every professional who needs to understand, implement, or manage Cisco hybrid cloud solutions for networking, compute, storage, applications, and/or security.

Bringing together crucial information formerly scattered across multiple sources, leading Cisco architects Jalpa Patel and Avinash Shukla offer end-to-end insights for seamlessly integrating management and operation of public cloud resources and on-premises deployments. They review each leading deployment option, providing overviews of key concepts, best practices, guidelines and tradeoffs, case studies, and more. Their many configuration examples, including topologies, configuration, and verification, are based on actual Cisco Cloud deployments, and specifically designed to...

Contributor Bio
Jalpa Patel (CCIE No. 42465; San Francisco Bay Area, CA) is a senior technical program manager in the Production Network Infrastructure group at Facebook. Her interests include datacenter, backbone, and edge networks; AI/ML training clusters; Google and AWS clouds; Cisco Unified Computing System and virtualization; hyperconverged infrastructure solutions.
CCNP Security Cisco Secure Firewall and Intrusion Prevention System Official Cert Guide
Securing Networks with Cisco Firepower
Nazmul Rajib

Key Selling Points:
The official Cisco Press Certification Guide designed to help candidates prepare for the new SNCF 300-710 exam

- Book content is fully updated to align to the new CCNP Security Cisco Firepower (SNCF 300-710) exam objectives
- Book and online materials are packed with features to help candidates master difficult testing methods on actual exams
- Practice tests contain exam-realistic questions that closely mimic the difficulty of the actual exam
- In-depth expert explanations of all protocols, commands, and technologies on the CCNP Security Cisco Firepower (SNCF 300-710) exam

Summary

Trust the best-selling Official Cert Guide series from Cisco Press to help you learn, prepare, and practice for exam success. They are built with the objective of providing assessment, review, and practice to help ensure you are fully prepared for your certification exam.

CCNP Security Cisco Firepower SNCF 300-710 Official Cert Guide presents you with an organized test preparation routine using proven series elements and techniques. “Do I Know This Already?” quizzes open each chapter and allow you to decide how much time you need to spend on each section. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly.

- Master CCNP Security Securing Networks with Cisco Firepower (SNCF 300-710) exam topics
- Assess your knowledge with chapter-opening quizzes
- Review key concepts with exam preparation tasks
- Practice with realistic exam questions in the practice test software

Contributor Bio

Nazmul Rajib is a senior security consultant of the Cisco Advanced Services organization focusing on planning, design, implementation and optimization of Cisco’s next-generation security technologies. Prior to that, he was a senior technical lead of the Cisco Global Technical Services.
Cisco Data Center Fundamentals
Somit Maloo, Iskren Nikolov

Key Selling Points:
Cisco’s expert guide to the fundamentals of modern data center technology
- An ideal bridge to help CCNA holders move up to CCNP Data Center (DC) certification
- Understand current data center devices, networking, storage, compute, and automation
- Prepare to read, understand, and utilize network design and security best practices
- Understand and modify automation scripts for troubleshooting unexpected network problems
- By authors with 30+ years of Cisco Data Center experience, focused on complex NX-OS, MDS, UCS, and ACI troubleshooting in high-availability environments

Summary
Thousands of network engineers and other technology professionals need to demonstrate a solid understanding of the fundamentals of modern data center technologies. Today, one of the best ways to demonstrate this understanding is to earn Cisco Certified Network Professional (CCNP) Data Center certification. Earning the CCNP Data Center credential is an especially valuable next step for many professionals who hold entry-level CCNA certification. Cisco Data Center Fundamentals is the complete guide for CCNA holders and other early-career network professionals who want to fill their knowledge gaps, earn their CCNP DC certifications, and succeed with Cisco data center technologies. Authored by two long-time experts in operating Cisco data center environments and developing official Learning@Cisco training content for them, this guide covers each relevant product and solution, including:

- **Networking:** Data center network architectures, Cisco Nexus switches, Cisco NX-OS software, virtualization,...

Contributor Bio
Somit Maloo (CCDE No. 20170002, 5 x CCIE No. 28603 (R&S, Security, SP, DC, Wireless; Bangalore Urban, Karnataka, India) is Content Architect on Learning@Cisco's Data Center team. He is responsible for designing and reviewing Data Center Official Learning@Cisco courses, including CCNA and CCNP Data Center, and leads all Data Center efforts for Learning@Cisco's Certification and Product Training.

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Also Available
9780136449621 - $69.99
Sales Model
CCNA 200-301 Official Cert Guide and Network Simulator Library
Wendell Odom, Sean Wilkins

Key Selling Points:

Have all your bases covered with CCNA 200-301 Official Cert Guide and Network Simulator Library

- Great value for two Official Cert Guides and the Simulator
- Enjoy a more complete learning path with this complementary bundle
- Gain the conceptual knowledge with the Official Cert Guides and put everything into practice with the Simulator

Summary

CCNA 200-301 Official Cert Guide and Network Simulator Library
Assessment, review, and hands-on practice package for the CCNA 200-301 exam


CCNA 200-301 Official Cert Guide and Network Simulator Library is a comprehensive review and hands-on practice package for the CCNA exam. This value-priced bundle combines the best-selling CCNA study guides with a powerful network simulator, providing you with the tools you need to master all the exam topics and develop real-world hands-on configuration and troubleshooting skills. The three products in this package present complete reviews and a more challenging and realistic preparation experience.

In the books, CCNA 200-301 Official Cert Guides Volumes 1 and 2, best-selling author and expert instructor Wendell Odom shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your ...

Contributor Bio

Wendell Odom, CCIE No. 1624 Emeritus, has produced some of the most important networking books in the world. His past titles include books on the entry-level certification (CCNA), the more advanced CCNP, and the industry-renowned CCIE. His books are known for their technical depth and accuracy.
Cisco Certified DevNet Professional DEVCOR 350-901 Official Cert Guide
Hazim Dahir, Jason Davis, Anwin Kallumpurath, David Wang

Key Selling Points:

Straight from Cisco: official assessment, review and practice for the Developing Applications using Cisco Core Platforms and APIs (DEVCOR 350-901) exam

- Authoritative coverage of every DEVCOR 350-901 exam topic, with all the context and real-life, field-proven examples you will need
- Logical, well-organized, and practical coverage of: Cisco software development and design, APIs, Cisco platforms, application deployment and security, infrastructure, and automation
- Includes realistic practice tests, plus extensive proven features to help you review more efficiently
- By Cisco technical leaders who are responsible for all Cisco DevNet training and enablement
- For all candidates pursuing Cisco DevNet Professional certification to meet the fast-growing demand for network programmability and automation

Summary

Designed for all Cisco DevNet Professional candidates, it covers every DEVCOR 350-901 objective concisely and logically, with extensive teaching features designed to promote retention and understanding. This includes:

- Pre-chapter quizzes to assess knowledge upfront and focus study more efficiently
- Fou...

Cisco Certified DevNet Professional DEVCOR 350-901 Official Cert Guide is the official, comprehensive self-study resource for the Cisco DEVCOR 350-901 exam: your pathway to the DevNet Professional - Developer Certification, demonstrating your knowledge of application development and automation on Cisco platforms. Authored by Cisco experts based on Cisco internal training, it clearly explains the value of each technique, presents realistic use cases, introduces solution components, illuminates their inner workings, presents field-proven examples from real large-scale networks, and shows how to apply what you have learned.
CCDE v3 Practice Labs
Preparing for the Cisco Certified Design Expert Lab Exam
Martin James Duggan

Key Selling Points:
Direct from Cisco: the practical, scenario-based study guide to the new Cisco Certified Design Expert (CCDE) exam

- High-quality full lab scenarios that capture the complexity of the real lab exam and provide detailed debriefs—at far lower cost than live training!
- Addresses practical topics defined in the current CCDE blueprint, as formulated in 2020-2021 by Cisco and external SMEs—including this guide's author, Martin James Duggan
- Reviewed by a team of CCDEs, and follows the proven format of Duggan's successful Cisco Press CCIE R&S Practice Labs

Summary
CCDE Practice Labs is designed to guide and coach CCDE candidates through essential preparation for the newly-updated 8-hour, scenario-based Cisco CCDE Practical Exam V. 3.0. Authored by an expert CCDE who contributed to the latest exam update, it presents four highly-realistic scenario-based lab exams. All four are carefully designed to match the complexity and format of the real exam, and are supported with detailed debriefs explaining why the correct answers are right and the "distractors" are wrong.

CCDE Martin James Duggan draws on his deep experience designing global Cisco networks, and mentoring colleagues at one of the world's largest networking organizations. Duggan begins by presenting an insider's overview of the revised exam blueprint. Throughout, he focuses on "why," not just "how"—helping you develop the right mindset to succeed, thoroughly evaluate your readiness, and address any gaps in the practical knowledge you'll need to pass.

With the new update, CCDE is a more valua...

Contributor Bio
Martin James Duggan (CCDE 2016::6, CCIE No. 7942; Whitchurch, Hants, UK) is a Senior Network Architect for AT&T. In this role, he designs network solutions for customers worldwide, and specializes in data center networking for financial enterprises.
CCIE Enterprise Infrastructure Foundation (2nd Edition)
Narbik Kocharians

Key Selling Points:
Get ready for your CCIE by mastering the practical, hands-on application of Cisco networking theory in 40+ hands-on labs

- Based on Narbik Kocharians’s industry-leading CCIE prep classes
- Presents a full lab walkthrough of a complex configuration comparable to the actual CCIE
- Covers essential mature technologies and emerging policy-based intent-driven solutions
- Follows the proven approach used by Kocharians’s classic CCIE Routing and Switching V5.1 Foundations

- Based on the industry-leading CCIE prep classes created by Narbik Kocharians
- Presents a full lab walkthrough of a complex configuration comparable to the actual CCIE
- Covers essential mature technologies and emerging policy-based, intent-driven solutions

Summary
Recent changes to Cisco certification make it crucial for experienced network professionals to bridge the gap between CCNP Enterprise Core (350-401 ENCOR) knowledge and the deep hands-on expertise they need to succeed with their CCIE labs. In CCIE Enterprise Infrastructure Foundation, Cisco instruc...

Recent changes to Cisco certification make it crucial for experienced network professionals to bridge the gap between CCNP Enterprise Core (350-401 ENCOR) knowledge and the deep hands-on expertise they need to succeed with their CCIE labs. In CCIE Enterprise Infrastructure Foundation, world-renowned Cisco instructor and practitioner Narbik Kocharians helps you make this leap with confidence. Based on the author’s industry-recognized CCIE prep classes, this progressive learning tool brings together:

- 40+ detailed labs for real gear and platform emulators
- Structured illustrations of protocol and feature operation
- Topic-specific labs to drive the theory home
- A full lab walkthrough of a complex configuration reflective of the actual CCIE

Following the same pattern as Kocharians’ CCIE Routing and Switching V5.1 Foundations, this guide covers both mature technologies and today’s increasingly critical policy-based intent driven solutions. Step by step, you’ll learn how to:
CCNP and CCIE Data Center Hands-on Lab Guide
Vinit Jain

Key Selling Points:
Get realistic hands-on lab practice to pass your CCNP to CCIE Data Center Lab Exam.

- Straight from Cisco's own experts: A complete, expert library of CCIE Data Center Labs for all five areas of the exam: network, compute, storage, automation, and security
- Exclusive labs for VXLAN-EVPN, ACI, UCS switching, Nexus, MDS 9000, automated configuration/monitoring, data center hardening, and much more
- Provides access to all lab output and more valuable information in an online Web Edition

Summary
To earn your elite CCIE Data Center certification and move up from CCNP status, you must pass challenging real-world CCIE Data Center labs. Straight from Cisco, The CCIE Data Center Hand-on Lab Guide presents realistic lab exercises and tasks covering all five topic areas addressed in the CCIE Data Center exam:

- **Network**, including data center routing/switching environments with Nexus switches; multicast and overlay technologies; data center fabrics with VXLAN/VXLAN-EVPN or ACI, and more
- **Compute**, including managing compute infrastructure with Cisco UCS Series switches, and leveraging UCS Series blade and rack servers to connect virtual hosts and SAN environments
- **Storage**, including Fibre Channel (FC), Fibre Channel over Ethernet (FCoE), and connectivity
- **Automation**, including essential configuration and monitoring tasks
- **Security**, including hardening device security in a data center environment, using Nexus switches, ACI fabrics, or storage devices such as MDS 9000 series switches

Every lab exerc...

Contributor Bio
**Vinit Jain** (CCIE No. 22854, R/S, SP, Security & DC; San Jose, CA) is Technical Leader at Cisco TAC, and co-author of *Troubleshooting BGP*, *Troubleshooting Cisco Nexus Switches and NX-OS* and the Live Lesson video series *BGP Troubleshooting* (all for Cisco Press).
Network Automation Made Easy
Ivo Pinto

Key Selling Points:

- Bridges the gap between theory and practice: provides realistic case studies, examples, and use cases readers won't find anywhere else
- Offers practical introductions to NetDevOps and other important emerging topics
- Leverages the author's extensive experience deploying real network automation solutions into large-scale production networks
- Part of the Networking Technology Series from Cisco Press®: helps network pros build more efficient networks, master new technologies, and lead more successful careers

Practical strategies and techniques for automating network infrastructure.

- Bridges the gap between theory and practice: provides realistic case studies, examples, and use cases readers won't find anywhere else
- Offers practical introductions to NetDevOps and other important emerging topics
- Leverages the author's extensive experience deploying real network automation solutions into large-scale production networks
- Part of the Networking Technology Series from Cisco Press®: helps network pros build more efficient networks, master new technologies, and lead more successful careers

Summary

Practical strategies and techniques for automating network infrastructure

As networks grow ever more complex, network professionals are seeking to automate processes for configuration, management, testing, deployment, and operation. Using automation, they aim to lower expenses, improve productivity, reduce human error, shorten time to market, and improve agility. In this guide, expert practitioner Ivo Pinto presents all the concepts and techniques you’ll need to move your entire physical and virtual infrastructure towards greater automation and maximize the value it delivers.

Writing for experienced professionals, the author reviews today’s leading use cases for automation, compares leading tools, and presents a deep dive into using the open source Ansible engine to automate common tasks. You’ll find everything you need: from practical code snippets to real-world case studies to a complete methodology for planning strategy.

This guide is for everyone seeking to improve network operations ...
Networking Essentials Companion Guide
Cisco Networking Academy

Key Selling Points:

Networking Essentials Companion Guide is the official supplemental textbook for the Networking Essentials course in the Cisco Networking Academy.

- Check Your Understanding: Evaluate your readiness with the end-of-chapter questions that match the style of questions you see in the online course quizzes.
- Interactive Activities: Reinforce your understanding of topics with dozens of exercises from the online course identified throughout the book with this icon.
- Videos: Watch the videos embedded within the online course.
- Hands-on Labs: Work through all the labs and other activities that are included in the course and published in the separate Labs and Study Guide.

Summary

Networking Essentials Companion Guide is the official supplemental textbook for the Networking Essentials course in the Cisco Networking Academy.

Networking is at the heart of the digital transformation. The network is essential to many business functions today, including business-critical data and operations, cybersecurity, and so much more. A wide variety of career paths rely on the network, so it’s important to understand what the network can do, how it operates, and how to protect it.

This is a great course for developers, data scientists, cybersecurity specialists, and other professionals looking to broaden their networking domain knowledge. It’s also an excellent launching point for students pursuing a wide range of career pathways—from cybersecurity to software development to business and more.

The Companion Guide is designed as a portable desk reference to use anytime, anywhere to reinforce the material from the course and organize your time.

The book’s features help you focus on i...

Contributor Bio

Cisco Networking Academy is an innovative Cisco education initiative that delivers information and communication technology skills to improve career and economic opportunities around the world. The Academy provides online courses, interactive tools, and lab activities to prepare individuals for information technology and networking careers in virtually every industry.
Networking Essentials Lab Manual
Cisco Networking Academy

Key Selling Points:
The only authorized Lab Manual for the Cisco Networking Academy Networking Essentials course Curriculum Objectives.

- Suited for developers, data scientists, cybersecurity specialists, and students
- Excellent launching point for a range of career pathways—from cybersecurity to software development to business
- No prerequisites required

Summary
The only authorized Lab Manual for the Cisco Networking Academy Networking Essentials Course

The Networking Essentials course is for developers, data scientists, cybersecurity specialists, and other professionals looking to broaden their networking domain knowledge. It's also an excellent launching point for students pursuing a wide range of career pathways—from cybersecurity to software development to business and more. A Networking Academy digital badge is available for the instructor-led version of this course. No prerequisites required.

You’ll Learn These Core Skills:

- Plan and install a home or small business network using wireless technology, and then connect it to the Internet
- Develop critical thinking and problem-solving skills using Cisco Packet Tracers
- Practice verifying and troubleshooting network and Internet connectivity
- Recognize and mitigate security threats to a home network. The 37 comprehensive labs in this manual emphasize hands-on learning and practice to reinforce config...

Contributor Bio
Cisco Networking Academy is an innovative Cisco education initiative that delivers information and communication technology skills to improve career and economic opportunities around the world.
Exam Ref AZ-801 Configuring Windows Server Hybrid Advanced Services
Orin Thomas

Key Selling Points:
Prepare for Exam AZ-801: demonstrate real-world mastery of designing, implementing, and managing Windows Server advanced services in a hybrid cloud environment

- Authoritative and complete Exam AZ-801 preparation content, straight from Microsoft
- Covers securing Windows Server infrastructure, implementing high availability, implementing disaster recovery, migrating servers and workloads, monitoring/troubleshooting, and more
- Organized by exam objectives for efficient study
- Strategic, what-if scenarios help you master the big-picture thinking the exam demands
- Contains up-to-date Microsoft Certified: Windows Server Hybrid Administrator Associate exam preparation tips from a leading expert in Windows administration
- For experienced Microsoft Azure networking professionals ready to advance their status

Summary
Direct from Microsoft, this Exam Ref is the official study guide for the new Microsoft AZ-801 Configuring Windows Server Hybrid Advanced Services certification exam.

Exam Ref AZ-801 Configuring Windows Server Hybrid Advanced Services offers professional-level preparation that helps candidates maximize their exam performance and sharpen their skills on the job. It focuses on helping modern IT professionals demonstrate real-world mastery of the skills needed to help design, implement, and manage Windows Server advanced services in a hybrid cloud environment. Learn how to:

- Secure Windows Server on-premises and hybrid infrastructures
- Implement and manage Windows Server High Availability
- Implement disaster recovery
- Migrate servers and workloads
- Monitor and troubleshoot Windows Server environments

Microsoft Exam Ref publications stand apart from third-party study guides because they:

- Provide guidance from Microsoft, the creator of Microsoft certification exams
- Target IT professional-level exam candid...

Contributor Bio
Orin Thomas (Endeavour Hills, Australia) is a Principal Cloud Operations Advocate at Microsoft. A recognized cloud and datacenter subject matter expert, he has written more than 40 books for Microsoft Press, including the company’s leading book on the Windows Server operating system, Windows Server 2019 Inside Out. At Microsoft, he designs and presents content for the IT Pro audience for Microsoft...
Exam Ref PL-300 Power BI Data Analyst
Daniil Maslyuk

Key Selling Points:
The official study guide for the latest Microsoft Power BI exam, Exam PL-300.

- Learn skills to help prepare, model, visualize, and analyze data
- Measure your ability to accomplish technical tasks
- Maximize value for your organization

Summary
Prepare for Microsoft Exam PL-300 and help demonstrate your real-world mastery of Power BI data analysis and visualization. Designed for experienced data analytics professionals ready to advance their status, Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the Microsoft Certified Associate level.

Focus on the expertise measured by these objectives:

- Prepare the data
- Model the data
- Visualize the data
- Analyze the data
- Deploy and maintain deliverables

This Microsoft Exam Ref:

- Organizes its coverage by exam objectives
- Features strategic, what-if scenarios to challenge you
- Assumes you are an experienced business intelligence professional or data analyst, or have a similar role

Contributor Bio

Daniil Maslyuk (MCSA: BI Reporting; MCSE: Data Management and Analytics) is a Microsoft business intelligence consultant who specializes in Power BI, Power Query, and Power Pivot; the DAX and M languages; and SQL Server and Azure Analysis Services tabular models. Daniil blogs at xxlbci.com and tweets as @DMaslyuk.
Microsoft Azure Sentinel (2nd Edition)
Planning and implementing Microsoft's cloud-native SIEM solution
Yuri Diogenes, Nicholas DiCola, Tiander Turpijn

Key Selling Points:
Plan, deploy, and operate Azure Sentinel, Microsoft's advanced cloud-based SIEM

- Written by three of Microsoft’s leading security operations experts
- Thoroughly reviews today’s quickly evolving cybersecurity environment, explores the threat landscape, and demonstrates how Azure Sentinel can help
- Guides you through all facets of planning and adoption, from data ingestion to analytics and beyond

Summary
Microsoft's cloud-based Azure Sentinel helps you fully leverage advanced AI to automate threat identification and response—without the complexity and scalability challenges of traditional Security Information and Event Management (SIEM) solutions. Three of Microsoft's leading experts review all it can do, and guide you step by step through planning, deployment, and daily operations. The second edition of this book brings the latest updates in the product and new use case scenarios for investigation, hunting, automation, and orchestration.

- Use Azure Sentinel to respond to today’s fast-evolving cybersecurity environment, and leverage the benefits of its cloud-native architecture
- Review threat intelligence essentials: attacker motivations, potential targets, and tactics, techniques, and procedures
- Explore Azure Sentinel components, architecture, design considerations, and initial configuration
- Ingest alert log data from services and endpoints you need to monitor
- Build and validate rules to ana...

Contributor Bio
Yuri Diogenes (Keller, TX) is Principal Program Manager in Microsoft CxE ASC Team, where he primarily helps customers onboard and deploy Azure Security Center and Azure Defender as part of their security operations/incident response. Yuri has been working for Microsoft since 2006 in different positions, including five years as senior support escalation engineer in CSS Forefront Edge Team.
Microsoft Word Step by Step (Office 2021 and Microsoft 365)
Joan Lambert

Key Selling Points:
Experience learning made easy -- and quickly teach yourself how to create compelling presentations with Word

- Easy lessons for essential tasks
- Skill-building practice files
- Look up just the tasks and lessons you need

Summary
The quick way to learn Word for Office 365!

This is learning made easy. Get more done quickly with Word for Office 365. Jump in wherever you need answers -- brisk lessons and informative screenshots show you exactly what to do, step by step.

- Create great-looking, well-organized documents to enhance communication
- Use headings, bookmarks, and footnotes for more intuitive access to knowledge
- Visualize information by using diagrams and charts
- Illustrate concepts by using 3D models, icons, and screen clippings
- Collaborate, track changes, and coauthor documents in real-time
- Enforce security and privacy in electronic documents
- Quickly build tables of contents, indexes, and equations
- Generate individualized emails, letters, labels, envelopes, directories, and catalogs
- Supercharge efficiency with custom styles, themes, templates, and building blocks
- Look up just the tasks and lessons you need

Contributor Bio
Joan Lambert (San Diego, CA) has worked closely with Microsoft technologies since 1986 and in the training and certification industry since 1997. As President and CEO of Online Training Solutions, Inc. (OTSI), Joan guides the translation of technical information and requirements into useful, relevant, and measurable resources for people who are seeking certification of their computer skills or who...

Marketing Plans
Direct Marketing on MicrosoftPressStore.com
The Microsoft Press Store averages 135,000 unique visitors each month

- Title features on home page, new releases, main topic, and subtopic store pages
- MicrosoftPressStore.com email and newsletter features (topic, series, or holiday-themed) to 112,000+ subscribers
Microsoft Teams Step by Step
Paul McFedries

Key Selling Points:
The quick and easy way to learn Microsoft Teams: all you need to be productive, fast!

- Concise lessons and helpful screenshots show you exactly what to do, step by step
- Covers adopting Teams and getting started, personalizing Teams options, channels, chat, conversations, calling, meetings, sharing and managing files, the Teams mobile app, and more
- Get productive quickly, and jump in wherever you need answers
- Concise lessons and helpful screenshots show students exactly what to do, step by step
- Covers adopting Teams and getting started, personalizing Teams options, channels, chat, conversations, calling, meetings, sharing and managing files, the Teams mobile app, and more
- Great for new users of Teams

Summary
Microsoft Teams is a collaborative experience that brings together people, conversations, and content — along with the tools that teams need — so they can achieve more. Naturally integrated with the familiar Office 365 experience, it is built on the Office 365 global, secure cloud. This is an easy, step-by-step guide to making the most of Teams, and quickly adopting it within your organization. It is learning made easy: all you and your colleagues need to get more done quickly — no Teams experience necessary! Jump in wherever you need answers — brisk lessons and full-colored screen shots show you exactly what to do, one step at a time. Learn how to do all this, and more:

- Rapidly build teams and channels
- Collaborate with chat and video in Teams
- Customize your Teams experience
- Integrate with Office 365 apps and services
- Manage your files in the cloud from within Teams
- Work smarter with apps and bots

Contributor Bio
Paul McFedries runs Logophilia Limited, a technical writing company, and has been writing computer books for more than 25 years. He is the author or coauthor of more than 90 books that have sold more than 4 million copies worldwide. Paul is also the proprietor of Wordspy.com, a website that tracks new words and phrases as they enter the English language.
Code (2nd Edition)
The Hidden Language of Computer Hardware and Software
Charles Petzold

Key Selling Points:
The legendary best-seller on how computers really work, now thoroughly updated to reflect today's computing experience

- The best way to gain a truly deep understanding of computers—rivaling that of electrical engineers and programmers
- Walks you through building a computer, one step at a time, with 300+ line drawings crafted to illuminate key concepts
- Helps you recognize the computer as a crowning human achievement and a thing of beauty
- Updates a first edition that remains a best-seller two decades after it was first published

Summary
Timeless and accessible, Code can show anyone how computers really work. You'll gain a depth of understanding rivaling that of electrical engineers, as you come to recognize the beauty and elegance that made the computer one of the past century's greatest human achievements. Charles Petzold has fully updated his classic guide to reflect dramatic changes to the experience of computing, modernize cultural and technology references throughout, add even more powerfully intuitive 2-color line drawings, and present five new chapters.

Code, Second Edition first establishes what numeric codes are, and then walks you one "baby step" at a time through the basic theoretical and applied concepts required to construct a simple computer. For more effective learning, Petzold describes rudimentary digital technology, while also revealing how today's world of media and connectivity was built through the pervasive use of numeric codes.

Contributor Bio
Charles Petzold (New York, NY) has been writing about programming and computers for 35 years. A Windows Pioneer Award winner, Petzold's books include the classic Programming Windows; The Annotated Turing: A Guided Tour through Alan Turing's Historic Paper on Computability and the Turing Machine, and over a dozen more. He is now working on a series of books on the historical, social, political, and...

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- Title features on home page, new releases, main topic, and subtopic store pages
- MicrosoftPressStore.com email and newsletter features (topic, series, or holiday-themed) to 112,000+ subscribers
Exam Ref AZ-500 Microsoft Azure Security Technologies
(2nd Edition)
Yuri Diogenes, Orin Thomas

Key Selling Points:
Prepare for Microsoft’s Exam AZ-500: demonstrate your skills in securing Azure solutions, and earn your valuable Microsoft Certified: Azure Security Engineer Associate credential

- Authoritative and complete Exam AZ-500 preparation content, straight from Microsoft
- Covers managing identity and access, implementing platform protection, managing security operations, and securing data and applications
- Organized by exam objectives for efficient study
- Strategic, what-if scenarios help you master the big-picture thinking the exam demands
- Contains up-to-date exam preparation tips from leading Microsoft Azure security experts
- Features strategic, what-if scenarios to challenge you

Summary
Prepare for Microsoft Exam AZ-500: Demonstrate your real-world knowledge of Microsoft Azure security, including tools and techniques for protecting identity, access, platforms, data, and applications, and for effectively managing security operations. Designed for professionals with Azure security experience, this Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the Microsoft Certified: Azure Security Engineer Associate level.

Focus on the expertise measured by these objectives:
- Manage identity and access
- Implement platform protection
- Manage security operations
- Secure data and applications

This Microsoft Exam Ref:
- Organizes its coverage by exam objectives
- Features strategic, what-if scenarios to challenge you
- Assumes you have expertise implementing security controls and threat protection, managing identity and access, and protecting assets in cloud and hybrid environments

About the Exam
Exam AZ-500 focuses on the knowledge needed to manage Azure Active Dir...

Contributor Bio
Yuri Diogenes (CISSP, E|CND, E|CEH, E|CSA, E|CHFI, CompTIA Security+, CySA+, Cloud Essentials Certified, Mobility+, Network+, CASP, CyberSec First Responder, MCSE, MCTS) is Senior Program Manager at Microsoft Cybersecurity Engineering’s Cloud and Artificial Intelligence Division. In this role, he helps customers onboard and deploy Azure Security Center. At Microsoft since 200
Microsoft 365 Administration Inside Out (3rd Edition)
Aaron Guilmette, Ed Fisher, Darryl Kegg

Key Selling Points:
The most up-to-date, single source of reliable knowledge for administering, configuring, and maintaining Microsoft 365 throughout your organization.

- Provides indispensable insights into pre-deployment planning, assessment of interdependencies, and infrastructure decision-making and planning
- Covers planning, identity and access, the portal dashboard and admin centers, billing and licensing, monitoring, Exchange Online, Skype for Business, OneDrive for Business, and more
- Includes extensive new coverage of Azure cloud services and SharePoint

Summary
Conquer Microsoft 365 Administration—from the inside out!

Dive into Microsoft 365 Administration—and really put your enterprise productivity expertise to work. This supremely organized reference packs hundreds of timesaving solutions, tips, and workarounds—all you need to plan, implement, and operate Microsoft 365 in any environment. In this completely revamped Second Edition, the expert author team thoroughly reviews the administration tools and capabilities available in the latest versions of Microsoft 365, including Microsoft Teams, the Enterprise Mobility + Security Suite, and new features such as Azure AD Connect Cloud Sync for complex deployment scenarios. Discover how experts tackle today’s essential tasks—and challenge yourself to new levels of mastery.

- Install, customize, and use Microsoft 365's portal, dashboard, and admin centers
- Make optimal decisions about tenancy, licensing, infrastructure, and hybrid options
- Prepare your environment for the cloud
- Manage Microsoft ...

Contributor Bio
Aaron Guilmette (Pontiac, MI) is a Senior Program Manager for Customer Experiences at Microsoft and provides guidance and assistance to customers adopting the Microsoft 365 platform, with a focus on messaging, collaboration, identity, and automation.

Darryl Kegg, (Bourbonnais, IL) Senior Consultant at Microsoft, is responsible for deployment of key Microsoft 365 and Azure workloads for government
Designing & Developing Secure Azure Solutions
Michael Howard, Simone Curzi, Heinrich Gantenbein

Key Selling Points:
The complete guide to designing and developing secure Microsoft Azure cloud applications

- Processes, technologies, best practices, and core principles for building secure Azure solutions
- End-to-end coverage: design, development, testing, deployment, governance, compliance, and more
- Covers Azure security services at application and network level, and shows how to make them work together seamlessly
- Includes complete chapters on authentication, authorization, monitoring/audit, and cryptography
- Both a practical tutorial and an authoritative design reference you'll rely on for years to come
- By three world-renowned experts in Azure security and secure development, including Michael Howard, author of the classic Writing Secure Code

Summary
As more and more applications and workloads move to the Microsoft Azure cloud, safeguarding them isn't just business-critical, it's existential. To deliver Azure solutions that stand up against unprecedented threats, you must build robust security into your designs, use proven security best practices across the entire development lifecycle, and combine multiple Azure services to optimize security. In Designing & Developing Secure Azure Solutions, a team of leading Azure security experts show how to do just that. Drawing on extensive experience securing Azure workloads of all types and sizes, the authors present both a practical tutorial for addressing immediate challenges, and a definitive design reference you can rely on far into the future. You'll learn how to integrate multiple Azure security technologies at both application and network layers, to make the most of all the platform offers—from design and development to testing, deployment, governance, and compliance.

Contributor Bio
Michael Howard (Austin, TX Area), Senior Principal Cybersecurity Architect, has spent 29 years with Microsoft, helping to secure products including Windows, SQL Server, and Azure. He numerous books include the classic Writing Secure Code. A founding member of Microsoft's Security Development Lifecycle (SDL) team, he co-hosts The Microsoft Azure Security Podcast (azsecuritypodcast.net).
Windows 11 Inside Out
Ed Bott

Key Selling Points:
Conquer Windows 11 from the inside out, with this definitive, supremely well-organized Windows 11 reference

- The #1 Windows guide for experts, thoroughly rewritten to reveal the best, smartest ways to work with the new Windows
- Presents hundreds of timesaving solutions, troubleshooting tips, and workarounds from Ed Bott, award-winning author of Windows 10 Inside Out
- Covers the new Windows 11 user experience, hardware-based security, new Microsoft Store, Windows 365 Cloud PC services, Android app support, and much more
- Contains authoritative and complete sections on Windows 11’s essentials, managing Windows 11, and power techniques for IT pros and experts
- Makes even the most difficult topics crystal clear, regardless of your experience

Summary
The definitive expert guide to Windows is now rewritten from the ground up to deliver the most valuable, detailed hands-on insights for maximizing your productivity with Windows 11. Legendary Windows expert Ed Bott reveals the full power of Windows 11’s most innovative new features, and offers detailed guidance on making the most of Microsoft’s new Windows with modern PC hardware and cloud services.

Windows 11 isn’t just an incremental update: it’s a thorough and thoughtful reworking of Windows, from user experience to security—a new way of working, for more than 250,000,000 new device owners every year. Now, backed with insider support from Microsoft’s own Windows teams, Bott presents better, smarter ways to work with it: hundreds of timesaving tips, practical solutions, troubleshooting techniques, and easy workarounds you won’t find anywhere else. In one supremely well-organized reference, you’ll find authoritative coverage of all this, and much more:

- Windows 11’s new user experience, ...

Contributor Bio
Ed Bott (Northern New Mexico) is an award-winning author and technology journalist who has written more than 25 books, including at least one volume on every edition of Windows and Office released since 1994. His books have been translated into dozens of languages and distributed worldwide. You can read his latest opinions and hands-on advice at The Ed Bott Report on ZDNet (www.zdnet.com/blog/bott...
Microsoft Azure Networking
The Definitive Guide
Avinash Valiramani

Key Selling Points:
Expert guidance on Azure networking for every cloud architect and administrator who wants to maximize operational efficiency and cost savings

- Design, deploy, and manage networking workloads to improve efficiency, accelerate cloud transformation, and optimize cloud costs
- An in-depth deep dive into best practices for optimizing Azure performance and scalability
- Practical guidance for applying Azure network services to make the most of your cloud investments
- Covers virtual networks, gateways, Azure Traffic Manager, Azure ExpressRoute, Web Application Firewall, load balancing, firewalls, Azure Bastion, Azure DNS, and more

Summary
For cloud environments to operate and scale as they should, their networking components must be designed and configured well. Now, there's a complete, best-practice guide to designing, deploying, and managing Azure networking services for maximum performance, scalability, and value. Writing for every professional involved in delivering Azure workloads and services, leading enterprise cloud consultant Avinash Valiramani shows how to make the most of Azure tools and services to reduce downtime, avoid unnecessary cost, simplify management, and maintain excellent performance no matter how large you scale.

Valiramani addresses a wide spectrum of Azure tools and offerings, offering practical guidance for all stages of your Azure journey, and all environments, no matter how sophisticated. He addresses virtual networks, gateways, Azure Traffic Manager, Azure ExpressRoute, Web Application Firewall, load balancing, firewalls, Azure Bastion, Azure DNS, and more. Drawing on extensive experience in ...

Contributor Bio
Avinash Valiramani (Mumbai, Maharashtra, India) has 14+ years of IT experience, and holds 15+ certifications, including MCSE-Microsoft Azure and MCSA-Office 365. He collaborates closely with Microsoft's Sales and Pre-Sales teams to help design and implement solutions and migrate Microsoft clients to Azure's Cloud Services portfolio.
Exam Ref SC-300 Microsoft Identity and Access Administrator
Razi Rais, Ilya Lushnikov, Jeevan Bisht, Padma Chilakapati, Vinayak Shenoy

Key Selling Points:
Prepare for Exam SC-300—and demonstrate your real-world mastery of Microsoft identity and access management.

- Authoritative and complete Exam SC-300 preparation content, straight from Microsoft
- Covers implementing Microsoft identity, authentication, and access management; implementing access management for apps; and planning and implementing identity governance strategies
- Organized by exam objectives for efficient study
- Strategic, what-if scenarios help you master the big-picture thinking the exam demands
- Contains up-to-date Microsoft Certified: Identity and Access Administrator Associate exam preparation tips from a leading expert in Microsoft technology
- For IT professionals who provide (or intend to provide) secure authentication and authorization access services, and are ready to advance their status

Summary
Direct from Microsoft, this Exam Ref is the official study guide for the new Microsoft SC-300 Microsoft Identity and Access Administrator certification exam.

Exam Ref SC-300 Microsoft Identity and Access Administrator offers professional-level preparation that helps candidates maximize their exam performance and sharpen their skills on the job. It focuses on helping modern IT professionals demonstrate real-world mastery of designing, implementing, and operating an organization's identity and access management systems by using Azure AD. Learn how to:

- Implement an identity management solution
- Implement an authentication and access management solution
- Implement access management for apps
- Plan and implement an identity governance strategy

Microsoft Exam Ref publications stand apart from third-party study guides because they:

- Provide guidance from Microsoft, the creator of Microsoft certification exams
- Target IT professional-level exam candidates with content focused on their needs, not "one-size-f...

Contributor Bio
Razi Rais (Madison, WI Area) is a software engineer on Epic's Telehealth team. There, he works to improve UI accessibility on the Epic Video Client, and built the framework for supporting additional languages on that client. Formerly Research Intern at The Johns Hopkins University Applied Physics Laboratory.
Exam Ref AZ-800 Administering Windows Server Hybrid Core Infrastructure
Orin Thomas

Key Selling Points:
Prepare for Exam AZ-800—and demonstrate real-world mastery of Windows Server core infrastructure design, implementation, and management in hybrid cloud environments

- Authoritative and complete Exam AZ-800 preparation content, straight from Microsoft
- Covers AD DS (on-premises and cloud), workload and server management, VMs, containers, networking, storage, and file services
- Organized by exam objectives for efficient study
- Strategic, what-if scenarios help you master the big-picture thinking the exam demands
- Contains up-to-date Microsoft Certified: Windows Server Hybrid Administrator Associate preparation tips from a leading expert in Windows Server technology

Summary
Direct from Microsoft, this Exam Ref is the official study guide for the new Microsoft AZ-800 Administering Windows Server Hybrid Core Infrastructure certification exam.

Exam Ref AZ-800 Administering Windows Server Hybrid Core Infrastructure offers professional-level preparation that helps candidates maximize their exam performance and sharpen their skills on the job. It focuses on helping modern IT professionals demonstrate real-world mastery of help design, implement, and manage Windows Server core infrastructure in a hybrid cloud environment. Learn how to:

- Deploy and manage AD DS in on-premises and cloud environments
- Manage Windows Servers and workloads in a hybrid environment
- Manage virtual machines and containers
- Implement and manage an on-premises and hybrid networking infrastructure
- Manage storage and file services

Microsoft Exam Ref publications stand apart from third-party study guides because they:

- Provide guidance from Microsoft, the creator of Microsoft certification exams
- Target IT...

Contributor Bio
Orin Thomas (Endeavour Hills, Australia) is a Principal Cloud Operations Advocate at Microsoft. A recognized cloud and datacenter subject matter expert, he has written more than 40 books for Microsoft Press, including the company's leading book on the Windows Server operating system, Windows Server 2019 Inside Out.
Exam Ref AZ-700 Designing and Implementing Microsoft Azure Networking Solutions
Charles Pluta

Key Selling Points:
Prepare for Exam AZ-700—and demonstrate your real-world mastery of Microsoft Azure networking, including hybrid networking and private access

- Authoritative and complete Exam AZ-700 preparation content, straight from Microsoft
- Covers planning, implementing, and maintaining Azure networking solutions, including hybrid networking, connectivity, routing, security, and private access to Azure services
- Organized by exam objectives for efficient study
- Strategic, what-if scenarios help you master the big-picture thinking the exam demands
- Contains up-to-date Microsoft Certified: Azure Network Engineer Associate exam preparation tips from a leading expert in Microsoft collaboration technology
- For experienced Microsoft Azure networking professionals ready to advance their status

Summary
Prepare for Microsoft Exam AZ-700 and help demonstrate your real-world mastery of planning, implementing, and maintaining Azure networking solutions, including hybrid networking, connectivity, routing, security, and private access to Azure services. Designed for professionals with Azure networking experience, this Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the Microsoft Certified: Network Engineer Associate level.

Focus on the expertise measured by these objectives:

- Design, implement, and manage hybrid networking
- Design and implement core networking infrastructure
- Design and implement routing
- Secure and monitor networks
- Design and implement private access to Azure services

This Microsoft Exam Ref:

- Organizes its coverage by exam objectives
- Features strategic, what-if scenarios to challenge you
- Assumes you have expertise in planning, implementing, and maintaining Azure networking solutions
Microsoft Visual C# Step by Step *(10th Edition)*

John Sharp

**Key Selling Points:**

Your hands-on guide to Visual C# fundamentals, fully updated for the latest version of Visual Studio.

- The proven step-by-step, "learn by doing" introduction to Visual C#: popular with programmers worldwide, and now fully up-to-date
- Walk through building modern Windows applications that are both highly responsive and scalable
- Includes exercises and sample projects throughout, with "before" and "after" downloadable code
- For both new Visual C# programmers and millions of developers upgrading from older versions

**Summary**

Your hands-on guide to Visual C# fundamentals with Visual Studio 2022

Expand your expertise—and teach yourself the fundamentals of programming the latest version of Visual C# with Visual Studio 2022. This book provides software developers all the guidance, exercises, and code needed to start building responsive, scalable, cloud-connected applications that can run almost anywhere.

Discover how to:

- Quickly start creating Visual C# code and projects with Visual Studio
- Work with variables, operators, expressions, methods, and program flow
- Build more robust apps with error, exception, and resource management
- Spot problems fast with the integrated Visual Studio 2022 debugger
- Master new default interface methods, static local functions, async disposable types, and other enhancements
- Make the most of the C# object model, and create functional data structures
- Leverage advanced properties, indexers, generics, and collection classes
- Create Windows 11 apps that share data, collaborate, and use cloud service...

**Contributor Bio**

John Sharp is a principal technologist for CM Group Ltd, part of the Civica Group, a software development and consultancy company in the United Kingdom. He is well versed as a software consultant, developer, author, and trainer, with more than 35 years of experience, ranging from Pascal programming on CP/M and C/Oracle application development on various flavors of UNIX to the design of C# and Java...

**Marketing Plans**

**Direct Marketing on MicrosoftPressStore.com**

The Microsoft Press Store averages 135,000 unique visitors each month
Exam Ref AI-900 Microsoft Azure AI Fundamentals
Julian Sharp

Key Selling Points:
Prepare for Microsoft’s Exam AI-900 -- and demonstrate your foundational knowledge of common machine learning/artificial intelligence workloads and their implementation on Azure

- Authoritative and complete Exam AI-900 preparation content, straight from Microsoft
- Covers basic principles of Azure machine learning; computer vision, natural language processing, and conversational AI workloads on Azure; and step-by-step workload implementation
- Organized by exam objectives for efficient study
- Strategic, what-if scenarios help you master the big-picture thinking the exam demands
- Contains up-to-date Microsoft Certified Azure AI Fundamentals exam preparation tips from a leading Microsoft expert

- Authoritative and complete Exam AI-900 preparation content, straight from Microsoft
- Covers basic principles of Azure machine learning; computer vision, natural language processing, and conversational AI workloads on Azure; and step-by-step workload implementation
- Organized by exam objectives for efficient study
- Strategic, what-if scenarios help you master the big-picture thinking the exam demands
- Contains up-to-date Microsoft Certified Azure AI Fundamentals exam preparation tips from a leading Microsoft expert

Summary
Direct from Microsoft, this Exam Ref is the official study guide for the new Microsoft AI-900 Microsoft Azure AI Fundamentals certification exam. Exam Ref AI-900 Microsoft Azure AI Fundamentals offers professional-level preparation that helps candidates maximize their exam performance and sharpen th...

Prepare for Microsoft Exam AI-900 and help demonstrate your real-world knowledge of diverse machine learning (ML) and artificial intelligence (AI) workloads, and how they can be implemented with Azure AI. Designed for business stakeholders, new and existing IT professionals, consultants, and students, this Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the Microsoft Certified: Azure AI Fundamentals level.

Focus on the expertise measured by these objectives:
- Describe AI workloads and considerations
- Describe fundamental principles of machine learning on Azure
- Describe features of computer vision workloads on Azure
- Describe features of Natural Language Processing (NLP) workloads on Azure
- Describe features of conversational AI workloads on Azure
Microsoft Excel Data Analysis and Business Modeling (Office 2021 and Microsoft 365) (7th Edition)
Wayne Winston

Key Selling Points:
- Hands-on, scenario-focused, and 100% practical
- Updated for Excel's newest functionality
- New spreadsheet models help beginner-to-intermediate Excel users move to more advanced techniques
- Adds new problems with solutions

Master business modeling and analysis techniques with Microsoft Excel: solve real business problems, and transform data into profits

Master business modeling and analysis techniques with Microsoft Excel and Office 365 and transform data into bottom-line results. Written by award-winning educator Wayne Winston, this hands-on, scenario-focused guide helps you use Excel to ask the right questions and get accurate, actionable answers...

Summary
Master business modeling and analysis techniques with Microsoft Excel and transform data into bottom-line results. Award-winning educator Wayne Winston’s hands-on, scenario-focused guide helps you use today’s Excel to ask the right questions and get accurate, actionable answers. More extensively updated than any previous edition, new coverage ranges from one-click data analysis to STOCKHISTORY, dynamic arrays to Power Query, and includes six new chapters. Practice with over 900 problems, many based on real challenges faced by working analysts.

Solve real problems with Microsoft Excel—and build your competitive advantage
- Quickly transition from Excel basics to sophisticated analytics
- Use recent Power Query enhancements to connect, combine, and transform data sources more effectively
- Use the LAMBDA and LAMBDA helper functions to create Custom Functions without VBA
- Use New Data Types to import data including stock prices, weather, information on geographic areas, universities, movies, and mus...

Contributor Bio
Wayne L. Winston is Professor Emeritus of Decision Sciences at the Indiana University School of Business. He has also taught at the University of Houston and Wake Forest. He has won more than 40 teaching awards and taught Excel modeling and analytics at many Fortune 500 companies, accounting firms, the U.S. Army, and the U.S. Navy. He is a two-time Jeopardy! champion.
Microsoft Excel VBA and Macros (Office 2021 and Microsoft 365)
Bill Jelen, Tracy Syrstad

Key Selling Points:

- The fastest, best way to go beyond the Macro Recorder and move up the Excel VBA learning curve
- Shows how to automate powerful new Excel features for analysis, formatting, sharing, and presentation
- Includes the best practical explanation of object-oriented programming for non-programmers ever written!

Save hours every week with Microsoft Excel: automate Excel tasks and customize Excel to do exactly what you want it to do!

- The fastest, best way to go beyond the Macro Recorder and move up the Excel VBA learning curve
- Shows how to automate powerful new Excel features for analysis, formatting, sharing, and presentation
- Includes the best practical explanation of object-oriented programming for non-programmers ever written!
- Co-authored by Excel legend and Microsoft MVP Bill Jelen (“MrExcel”) as part of the popular MrExcel's Library series

Summary

This book shows students how to make Excel do things you thought were impossible, discover macro techniques you won't find anywhere else, and create automated reports that are amazingly powerful. Bill Jelen and Tracy Syrstad help students instantly visualize information, so they can act on it… captu...

Renowned Excel experts Bill Jelen (MrExcel) and Tracy Syrstad help you automate Excel tasks to get more done, faster than ever.

Use this guide to automate virtually any routine Excel task: save yourself hours, days, maybe even weeks. Make Excel do things you thought were impossible, discover macro techniques you won’t find anywhere else, and create automated reports that are amazingly powerful. Bill Jelen and Tracy Syrstad help you instantly visualize information to make it actionable; capture data from anywhere, and use it anywhere; and automate the best new features in Microsoft Excel. You’ll find simple, step-by-step instructions, real-world case studies, and 50 workbooks packed with examples and complete, easy-to-adapt solutions.

By reading this book, you will:

- Quickly master Excel macro development
- Work more efficiently with ranges, cells, and formulas
- Generate automated reports and quickly adapt them for new requirements
- Learn to automate PivotTables to summarize, analyze, explore
Microsoft Excel Pivot Table Data Crunching (Office 2021 and Microsoft 365)
Bill Jelen

Key Selling Points:
The practical, realistic, easy-to-understand guide to Excel's most powerful and underutilized features:

- PivotTables and PivotCharts
- Fully updated for the latest version of Excel, including the powerful new Recommended Pivot Table features
- Teaches PivotTables, PivotCharts, and PowerPivot through real-world scenarios that make intuitive sense to users at all levels
- Includes proven PivotTable recipes for instant on-the-job results
- Helps Excel users avoid common pitfalls and mistakes
- Part of the popular MrExcel's Library series, edited by Excel legend Bill Jelen

By reading this book, students will:

- Master easy, powerful ways to create, customize, change, and control pivot tables
- Control all future pivot tables using new pivot table defaults
- Transform huge data sets into clear summary reports
- Instantly highlight your most profitable customers, products, or regions
- Use Power Query to quickly import, clean, shape, and analyze disparate data sources
- Build geographical pivot tables with 3D Map
- Construct and share state-of-the-art dynamic dashboards
- Revamp analyses on the fly by dragging and dropping fields
- Build dynamic self-service reporting systems
- Share your pivot tables with colleagues
- Create data mashups using the full Power Pivot capabilities of Excel and Excel in Office 365
- Automate pivot tables with macros and VBA
- Save time by adapting reports with GetPivotData
- Discover today's most useful pivot table tips and shortcuts

Summary
Learn how to use Excel pivot tables and pivot charts to produce powerful, dynamic reports in minutes instead of hours, to take control of your data and your business. Even if you’ve never created a pivot table before, this book will help you leverage all their remarkable flexibility and analytical power— including important recent improvements in Microsoft 365 Excel. Drawing on more than 30 years of cutting-edge Excel experience, MVP Bill Jelen (“MrExcel”) shares practical “recipes” for solving real business problems, expert insights for avoiding mistakes, and advanced tips and tricks you’ll find nowhere else.
Global Licensing Department

New Riders Titles

Spring 2022
Final Cut Pro Power Tips
Larry Jordan

Key Selling Points:
300 Final Cut Pro power tips: get more done faster, so you can focus on telling great stories, not wrangling software!

- Hidden tips, keyboard shortcuts, and productivity boosters - with clear, step-by-step instructions and powerfully intuitive illustrations
- Instant answers to technical questions that trip up many Final Cut Pro users: stop wasting time with lengthy manuals!
- By Larry Jordan, renowned digital video industry innovator, best-selling author, and one of the world's most experienced visual communicators and trainers

Summary
Renowned digital media innovator Larry Jordan has brought together 300 of today's most powerful tips, shortcuts, productivity boosters, and tutorials for making the most of Final Cut Pro. Concise, well-organized, and extensively illustrated, this guide's answers and techniques make you more productive right now, without wading through huge manuals or massive Google searches. Designed to solve specific, common problems, these well-tested tips reflect the latest Final Cut Pro enhancements, and are crafted to deliver the most productivity benefits with the least effort. There's no other book like Final Cut Pro Power Tips -- and the more you rely on Final Cut Pro, the more you need it!

Contributor Bio
Larry Jordan (Los Angeles, CA Area) is an award-winning producer, director, editor, teacher and trainer who's been involved in the media industry for 50 years. He's produced, directed or edited at local broadcast TV stations and in US network television, and has extensive experience in corporate and training video. As a teacher, he focuses on media, marketing, communication, and the art of visual ...

Marketing Plans
Pearson sites and mailing lists

- Inclusion in site-wide and targeted promotional campaigns (topic, series, or holiday-themed)
- New title feature on topic or imprint landing page on Peachpit.com, which receives hundreds of thousands of unique visitors each month
- Featured in email to all registered newsletter subscribers
- Book announcement in quarterly Peachpit Academic Newsletter
Adobe Photoshop Elements Advanced Editing Techniques and Tricks
The Essential Guide to Going Beyond Guided Edits
Ted Padova

Key Selling Points:
*Adobe Photoshop Elements Advanced Techniques and Tricks* takes the readers beyond automated functions and explores the advanced features available in Photoshop Elements for intermediate and professional photo editing.

- Learn advanced techniques by skipping the guided edits and automation and understanding how to access the power behind the features
- Follow along with easy to understand steps and full color images
- By Ted Padova, author and professional photographer with nearly 60 years of experience

Summary
*Adobe Photoshop Elements Advanced Editing Techniques and Tricks: The Essential Guide to Going Beyond Guided Edits* is a must for those who want to go beyond automated features and Guided Edits and delve into the many advanced techniques that are possible using Adobe Photoshop Elements.

LEARN HOW TO
- Perfect editing portrait images by performing techniques such as skin tone correction, frequency separations, skin smoothing, and enhancing facial features
- Properly edit and enhance a subject’s eyes, lips, eyebrows, and facial lighting
- Apply advanced photo compositing techniques, utilizing rules for controlling perspective
- Use color grading techniques similar to those used by professional motion picture film editors
- Delve into advanced tools not included in Photoshop Elements such as curves, color range, selective color, working with color LUTs, and more

With detailed step-by-step instructions, this book is targeted to intermediate and advanced users who want to take their photography to the next...

Contributor Bio
I’ve been a professional photographer on and off for almost 60 years. I first started working in photography in 1963 at the Army Aviation Test Office at Edwards Air Force Base in Edwards, California. I shot on glass plates using the Fairchild Flight Analyzer, developed the plates, and made contact prints. It was crude but an interesting first introduction to photography.
Video Storytelling Projects
A DIY Guide to Shooting, Editing and Producing Amazing Video Stories on the Go
Rafael Concepcion

Key Selling Points:
The start-to-finish, full-color guide to developing, organizing, filming, creating, and sharing your video story—on the go!

- Teaches an easy, practical storytelling process, from concept to completion
- Introduces a powerful “video as a language” approach: learn “words” (shots) to form “sentences” (sequences) to share your idea (story)
- Start-to-finish projects guide you through producing short movies, public service announcements, and video journalism
- Includes a full chapter on using Adobe's exciting free video editing app Premiere Rush
- By RC Concepcion, award-winning photographer, video post-production specialist, and instructor at Syracuse University's renowned Newhouse School for Visual Communications

Summary
Today, your bookbag can contain a video production studio so powerful, you can use it to share your greatest ideas with the entire world. Now, there's a complete full-color guide to doing just that, whether your “video stories” take the form of short movies, video journalism, public service announcements, or anything else.

Renowned video producer and instructor RC Concepcion starts in exactly the right place: by teaching you an easy approach to using the language of storytelling that's captivated human beings for millennia. You'll master the essence of story, learn how to develop ideas, create story formats, build dialog, and organize stories to maximize your impact.

Next, Concepcion introduces you to the gear and techniques you need to execute your story, showing how to assemble and share it with the latest mobile or computer software—including Adobe's amazing (free!) Premiere Rush. You'll transform theory into practice with three full projects: a short movie, public service announcement...

Contributor Bio
RC Concepcion (Syracuse, NY) is an award-winning photographer, podcast host, educator, public speaker, and author of ten best-sellers on photography, Photoshop, Lightroom, and HDR, including official "Adobe Classroom in a Book" workbooks for recent releases of Photoshop, Lightroom, and Lightroom Classic.
Global Licensing Department

Peachpit Press Titles

Spring 2022
Logic Pro - Apple Pro Training Series
Professional Music Production
David Nahmani

Key Selling Points:
Learn Logic Pro with a bounty of resources available at your fingertips:

- Downloadable lesson files
- Online version of the book
- Project-based approach

Summary
The Apple-Certified Way to Learn
Record, arrange, produce, mix, and master music with this bestselling, Apple-certified guide to Logic Pro. Veteran producer and composer David Nahmani uses real-world professional Logic Pro projects to guide you through step-by-step instructions and straightforward explanations, ranging from basic music creation to sophisticated production techniques.

You’ll trigger Live Loops in real time, record audio and software instruments, create and edit sequences, and build arrangements. You’ll create both acoustic and electronic virtual drum performances. You’ll use Quick Sampler to create stutter effects and vocal chop, and explore ear candy production techniques, such as parallel processing and turntable start and stop effects. You’ll use Smart Controls to map knobs, buttons, and drum pads on a MIDI controller or an iPad. You’ll harness the power of Smart Tempo to sync up all your audio and MIDI. You’ll use Flex Time to stretch audio and correct the timing of ...

Contributor Bio
David Nahmani is the founder of LogicProHelp.com, the largest online community of Logic users. An expert Logic Pro consultant and teacher, he has worked for V.I.P. clients like Steve Porcaro (Toto, Michael Jackson), Toby Gad (Beyoncé, John Legend, Fergie), Coco Morier (Britney Spears, Selena Gomez), Joseph Hahn (Linkin Park), James Valentine (Maroon 5), Mark Pontius (Foster the People)
Adobe Photoshop Visual QuickStart Guide
Nigel French

Key Selling Points:
The world-renowned easy, full-color visual guide to Photoshop—now completely revamped, with 5 hours of bonus video!

- Harness Photoshop's full power to efficiently create pro-quality images for digital and print
- All-new content, more concise and colorful—with the friendly learner-centric approach that made Visual QuickStart Guides famous
- Covers everything from image basics to advanced editing and retouching
- By Nigel French, Adobe MAX speaker and one of the world’s most experienced Photoshop instructors and training developers

Summary
For decades, graphic design and photography professionals have turned to Adobe Photoshop: Visual QuickStart Guide as the fastest, most practical way to start creating professional-quality images with Photoshop. Now, this full-color guide has been thoroughly revamped by a new author who’s taught thousands of beginning Photoshop users. Nigel French combines expert, full-color introductions to the latest Photoshop features with new examples and projects, adding five full hours of new online video content that goes far beyond the contents of the printed book.

Combining definitive reference information with concise, hands-on tutorials, French helps aspiring and current professionals gain deep mastery of Photoshop, whether they’re working on their own or in a classroom environment. From the basics to advanced techniques, he guides you through everything from editing photos' tone and color to retouching blemishes, restoring old and damaged images to creating stunning composites, to preparing i...

Contributor Bio
Nigel French (Lewes, England, UK) is a veteran graphic designer, photographer, and design teacher who has used design software since the early days of desktop publishing. His books include InDesign Type, 4th Edition (Adobe Press) and Photoshop Unmasked. Since 2005, he has freelanced for Lynda.com (now LinkedIn Learning) and recorded 50+ titles for its online training library.
Adobe Illustrator Visual QuickStart Guide
Lisa Fridsma

Key Selling Points:
The world-renowned easy, full-color visual guide to Illustrator—now completely revamped, with 5 hours of bonus video instruction!

- Harness Illustrator's full power, and efficiently create pro-quality images for digital and print
- All-new content, more concise and colorful— with the friendly learner-centric approach the Visual QuickStart Guides are known for
- Covers Illustrator's updated interface and latest feature enhancements, including the new repeats tool, color theme picker, enhancements to cloud documents, type alignments, and more
- By Lisa Fridsma, Adobe Certified Instructor, author, consultant, conference speaker, and creator of many of the world's leading Adobe training videos

Summary
Learn Adobe Illustrator with the Visual QuickStart Guide—the quick and easy way!

Visual QuickStart Guide is an easy, visual approach to learning. Concise steps and explanations guide you through Adobe Illustrator, getting you up and running in no time. In addition, the free Web Edition of the book includes more than 40 videos, enhancing and expanding the information in the book while providing an alternative method for learning. Whether you're an experienced designer or an enthusiastic newcomer, Illustrator gives you all the tools you need to begin creating impressive vector artwork. Learn how to navigate the application and set up your documents to start drawing quickly, using a variety of tools and features. Then you'll move on to applying appearance attributes and effects for adding visual interest to your artwork. Once your artwork is complete you'll learn how to save and export it using best practices. This book provides you with:

- An easy visual approach that uses pictures to gu...

Contributor Bio
Lisa Fridsma has long loved the process of teaching others to use Adobe products, going back to her time on-staff at the company. She has produced and illustrated over thirty books in the Classroom in a Book series (including books for Photoshop, Acrobat, and After Effects). Lisa is the owner of Darlington Hill Productions, providing informational publishing and illustration services.
Separation Process Engineering (5th Edition)
Phillip C. Wankat

Key Selling Points:
The #1 guide to chemical engineering separations, fully updated and more learner-friendly than ever

- Reflects an up-to-date understanding of how modern students learn: designed, organized, and written to be exceptionally clear and easy to use
- Presents detailed examples in a clear, standard format, using real data to solve actual engineering problems
- Contains extensive coverage and examples of flash distillation, extractive and azeotropic distillation, batch distillation, absorption, stripping, extraction, crystallization, membrane separations, adsorption, ion exchange, chromatography, and mass transfer
- All-new chapter on melt crystallization, 200+ new problems, and new references throughout
- New coverage: mist eliminators, column flash and cyclic distillation, Shanks system, crystallization simulations, dialysis, pervap, and more
- Example appendices utilize the newest versions of Aspen Plus and Aspen Chromatography

Summary
Separation Process Engineering, Fifth Edition is a thorough update of the leading textbook for undergraduate chemical engineering core courses in separation methods or in mass transfer and separations. Phillip K. Wankat's proven approach combines quantitative rigor with a tutorial presentation guided by educational principles and the needs of today's learners. Wankat covers all industrially important purification methods in detail, including newer separation methods largely absent from older texts.

Since distillation remains central to most process industries, Wankat thoroughly addresses flash distillation, batch and continuous distillation, multicomponent distillation, extractive and azeotropic distillation, and other techniques, adding valuable new coverage of column flash and cyclic distillation. Readers will also find detailed coverage of other traditional separation methods, including liquid-liquid extraction, absorption, and stripping.

The Fifth Edition contains an entirely new cha...

Contributor Bio
Phillip C. Wankat (West Lafayette, IN) is the Clifton L. Lovell Distinguished Professor of Chemical Engineering and Engineering Education at Purdue University. His research interests include adsorption, large-scale chromatography, simulated moving bed systems, distillation, and improvements in engineering education. He received Purdue University's highest faculty award, the Morrill Award, in 2016.
C++20 for Programmers (3rd Edition)
An Objects-Natural Approach
Paul Deitel, Harvey Deitel

Key Selling Points:
Learn C++20 via the Deitels' signature Live Code approach: through hundreds of complete working programs, NOT fragments!

- Ideal for any programmer who's already familiar with another language
- Fully updated to reflect the latest C++20 standards, compilers, and extensions
- Adheres to the CERT C++ Secure Coding Standard, preparing you to write industrial-strength systems that resist attack
- Emphasizes achieving program clarity via structured and object-oriented programming; software reuse, and component-oriented software construction

Summary
C++20 for Programmers is an introductory-through-intermediate-level, tutorial presentation of computer programming in the latest version (C++20) of the C++ programming language, which is popular for developing systems software, embedded systems programming, operating systems, real-time systems, comm...

The professional programmer's Deitel® guide to C++20

"C++20 for Programmers builds up an intuition for modern C++ that every programmer should have in the current software engineering ecosystem. The unique and brilliant ordering in which the Deitels present the material jibes much more naturally with the demands of modern, production-grade programming environments. I strongly recommend this book for anyone who needs to get up to speed on C++, particularly in professional programming environments where the idioms and patterns of modern C++ can be indecipherable without the carefully crafted guidance that this book provides."
--Dr. Daisy Hollman, ISO C++ Standards Committee Member

"This is a fine book that covers a surprising amount of the very large language that is C++20. An in-depth treatment of C++ for a reader familiar with how things work in other programming languages."
--Arthur O'Dwyer, C++ trainer, Chair of CppCon's Back to Basics track, author of several accepted C++17/20/23 prop

Contributor Bio
Paul Deitel, CEO and Chief Technical Officer of Deitel & Associates, Inc., is a graduate of MIT, where he studied Information Technology. He holds the Java Certified Programmer and Java Certified Developer designations, and is an Oracle Java Champion. Through Deitel & Associates, Inc., he has delivered hundreds of programming courses worldwide to clients, including Cisco, IBM, Siemens.
Process Control (2nd Edition)
Modeling, Design, and Simulation
B. Wayne Bequette

Key Selling Points:

- **Interactive MATLAB/SIMULINK exercises**—Emphasize model-based control techniques.
  - Reinforce and enhance the student's ability to learn new model-based techniques.

- **Effect of process scale (design) on control.**
  - Provides students with an appreciation of the dynamic nature of chemical processes and helps them develop strategies to operate these procedures.

- **Biomedical problems.**
  - Motivates students with interesting real-world problems that touch on the latest topics.

- **Modules containing practical problems**—Tied back to each chapter.
  - Enables students to integrate the techniques and reinforce the concepts presented throughout the book.

- **Additional material is available on the Internet.**
  - Helps students focus on the fundamental concepts, rather than sorting through an encyclopedia of every possible behavior or control problem.

**The definitive introduction to process control, now fully updated**

- Still the only undergraduate process control text that integrates MATLAB-based numeric solutions, fundamental concepts, and detailed relevant application examples
- Contains motivating biomedical examples, including a closed-loop artificial pancreas
- Adds more examples on the importance of process control in improving safety
- Contains additional material on digital implementation of PID and IMC, and on model predictive control

**Summary**

Now updated throughout, *Process Control: Modeling, Design, and Simulation, 2nd Edition* remains the only process control textbook that integrates MATLAB-based numerical solutions, fundamental content, and detailed illustrative examples throughout. Its up-to-date example modules offer deeper treatment...

Now updated throughout, *Process Control: Modeling, Design, and Simulation, 2nd Edition* remains the only process control textbook that integrates MATLAB-based numerical solutions, fundamental content, and detailed illustrative examples throughout. Its up-to-date example modules offer deeper treatment of specific example processes and systems, and it thoroughly integrates the use of MATLAB code and Simulink block diagrams to solve problems.
David Levine, David Stephan

Key Selling Points:
Master all the statistics and analytics you need for finance, quality, marketing, social sciences, and big data projects - one easy step at a time!

- Pragmatic, approachable, and jargon-free - but detailed enough to help you solve real-world problems
- Perfect for managers and others looking to upskill - including anyone getting involved with analytics or big data projects
- Covers analytics concepts, applications, and methods; descriptive statistics, probability, sampling, hypothesis tests, regression and multiple regression, Six Sigma, and more
- Now updated with even more examples and exercises, and fully reflects the latest versions of Microsoft Excel (Office 365, Windows, and Mac)
- Contains downloadable practice files, templates, data sets, and sample models, including complete solutions you can put right to work

Summary
Now fully updated for "big data" analytics and the newest applications, Even You Can Learn Statistics and Analytics, Fourth Edition is a practical, up-to-date introduction to statistics and analytics - for everyone!

One clear step at a time, you'll learn all the statistical techniques you'll need for finance, marketing, science, social science, or anything else. Simple jargon-free explanations help you understand every technique, and realistic examples and worked problems give you all the hands-on practice you'll need. This edition contains more practical examples than ever - all updated for the newest versions of Microsoft Excel. You'll find downloadable practice files, templates, data sets, and sample models - including complete solutions you can put right to work in business, school, or anywhere else. Learn how to do all this, and more:

- Apply statistical techniques to analyze huge data sets and transform them into valuable knowledge
- Construct charts and tables with Excel or OpenOffice....

Contributor Bio
**CISSP Cert Guide** *(4th Edition)*
Robin Abernathy, Darren R. Hayes

**Key Selling Points:**

The smartest, fastest, most effective preparation for today’s tough new CISSP® exam!

- Unlike competing books, this includes Practice Exams in the basic package, without needing to pay extra for them!
- Delivers all the knowledge CISSP candidates need, without making them wade through 1500 pages
- Test-taking strategies, tips, notes, and full sample exams delivered by the advanced Pearson Test Prep practice test software with online and offline access

**Summary**

Learn, prepare, and practice for CISSP exam success with this Cert Guide from Pearson IT Certification, a leader in IT Certification learning.

- Master the latest CISSP exam topics
- Assess your knowledge with chapter-ending quizzes
- Review key concepts with exam preparation tasks
- Practice with realistic exam questions

Get practical guidance for test taking strategies

Leading IT certification experts Robin Abernathy and Troy McMillan share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics.

**CISSP Cert Guide, Fourth Edition** presents you with an organized test preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help...

**Contributor Bio**

Robin M. Abernathy has been working in the IT certification preparation industry at Kaplan IT Training for more than 20 years. Robin has written and edited certification preparation materials for many (ISC)2, Microsoft, CompTIA, PMI, ITIL, ISACA, and GIAC certifications and holds multiple IT certifications from these vendors.
CompTIA A+ Core 1 (220-1101) and Core 2 (220-1102) Exam Cram
David L. Prowse

Key Selling Points:
The smartest, fastest, most effective way to prepare for CompTIA's updated A+ exams

- Covers all the critical information that readers will need to know to score higher on the new A+ exams
- Designed to help candidates rapidly assess where they stand and quickly master what they need to learn
- Includes test-taking strategies, time-saving tips, Exam Notes, and practice exams
- Written by best-selling and industry respected author David Prowse

Summary
CompTIA A+ Core 1 (220-1101) and Core 2 (220-1102) Exam Cram is an all-inclusive study guide designed to help you pass the updated version of the CompTIA A+ Core 1 (220-1101) and Core 2 (220-1102) exam. Prepare for test day success with complete coverage of exam objectives and topics, plus hundreds of realistic practice questions. Extensive prep tools include quizzes and our essential last-minute review CramSheet. The powerful Pearson Test Prep practice software provides real-time assessment and feedback with two complete exams.

Prepare for your exam with Pearson Test Prep
- Realistic practice questions and answers
- Comprehensive reporting and feedback
- Customized testing in study, practice exam, or flash card modes
- Complete coverage of CompTIA A+ Core 1 (220-1101) and Core 2 (220-1102) exam objectives

Contributor Bio
David L. Prowse is an author, technical trainer, and technology problem solver. His titles for Pearson include previous editions of the CompTIA A+ Exam Cram, the CompTIA Security+ SY0-501 Cert Guide, CompTIA A+ Complete Video Course, and CompTIA A+ Practice Questions.
CompTIA A+ Practice Questions Exam Cram Core 1 (220-1101) and Core 2 (220-1102)
David L. Prowse

Key Selling Points:
Prepare for the all-new A+ certification exams with more than 500 practice questions written to the new objectives

- Practice with more than 500 sample test questions covering both A+ exams
- Includes detailed explanations of correct and incorrect answers
- Written by best-selling and industry respected author David Prowse

Summary
CompTIA A+ Practice Questions Exam Cram Core 1 (220-1101) and Core 2 (220-1102) complements any A+ study plan with hundreds of practice test questions and two full practice exams—all supported by complete explanations of every answer.

- Covers the critical information you'll need to know to score higher on your A+ 220-1101 and 220-1102 exams
- Includes a detailed answer explanation for every question
- Addresses all objectives for the 220-1101 and 220-1102 A+ exams, so you can easily assess your knowledge of every topic

Contributor Bio
David L. Prowse is an author, technical trainer, and technology problem solver. His titles for Pearson include previous editions of the CompTIA A+ Exam Cram, the CompTIA Security+ SY0-501 Cert Guide, CompTIA A+ Complete Video Course, and CompTIA A+ Practice Questions. He supports his products and answers questions at his web site: https://dprocomputer.com.
CompTIA A+ Core 1 (220-1101) and Core 2 (220-1102) Cert Guide
Rick McDonald

Key Selling Points:
The most complete and effective preparation for success on the CompTIA A+ certification exams

- Learn, review, and practice all the A+ exam topics in this comprehensive learning and preparation guide, fully updated for the new objectives
- Gain a real-world understanding of how to apply your knowledge, and use the book as a workplace reference guide
- Written by an experienced instructor, this is the authoritative guide addressing the skills required for becoming a CompTIA A+ certified professional.
- Pre-chapter quizzes, exam preparation guidance, and online practice tests provide multiple ways for learners to test their knowledge in preparation for the exam

Summary
Learn, prepare, and practice for CompTIA A+ Core 1 (220-1101) and Core 2 (220-1102) exam success with this CompTIA Cert Guide from Pearson IT Certification, a leader in IT Certification learning.

- Master CompTIA A+ Core 1 (220-1101) and Core 2 (220-1102) exam topics
- Assess your knowledge with chapter-ending quizzes
- Review key concepts with exam preparation tasks
- Practice with realistic exam questions
- Get practical guidance for next steps and more advanced certifications

CompTIA A+ Cert Guide Core 1 (220-1101) and Core 2 (220-1102) is a comprehensive study guide. The book presents you with an organized test-preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan.

Contributor Bio
Rick McDonald is a professor in the IT Specialist program at the University of Alaska in Fairbanks, Alaska. He holds degrees and certificates from Gonzaga University in Spokane, Washington, and University of Illinois Springfield. After several years in the airline industry, he returned to full-time teaching in North Carolina and then in Ketchikan, Alaska.
CompTIA Data+ DA0-001 Exam Cram
Akhil Behl, Siva G Subramanian

Key Selling Points:
The smartest, fastest, most effective preparation for the CompTIA Data+ DA0-001 certification exam.

- Detailed coverage of each objective, exam preparation guidance, and online practice tests
- Access to Pearson Test Prep practice test software that provides real-time practice and feedback, online or offline
- Flash cards to drill on key concepts
- The Cram Sheet tear-out card including tips, acronyms, and memory joggers not available anywhere else—perfect for last-minute study

Summary
Businesses now more than ever are relying on data analysis to maximize sales and understand consumer trends. Regardless of your role or job function, just about everyone in today's climate is expected to have some skills in this area. As the field of data analysis becomes more integral to business strategy it is imperative to gain the knowledge that will set yourself apart from the competition and benefit your career prospects. **CompTIA Data+ DA0-001 Exam Cram** is designed to prepare candidates for success on the exam, using the proven Exam Cram method of study. This latest addition to the Exam Cram series is geared toward early-career business and data analysts, and as with all Exam Cram books, includes:

- Chapters that map directly to the exam objectives
- Comprehensive foundational learning on all topics covered on the exam
- An extensive collection of practice questions
- Access to the Pearson Test Prep practice test software that provides real-time practice and feedback, online or offline
- Flash...

Contributor Bio
**Akhil Behl** (Australia), CCIE Emeritus No. 19564, is a passionate IT executive with a key focus on the cloud and security. He has 18+ years of experience in the IT industry working across several leadership, advisory, consultancy, and business development profiles with various organizations.
Global Licensing Department
Que Publishing
London Book Fair 2022
Mike Miller

**Key Selling Points:**
A beginner's guide to using your computer or tablet with the new Windows 11 operating system with simple, practical instructions for doing everything you really want to do!

- Concepts explained and presented in an easy-to-digest manner for the average computer user
- The only computer basics book with equal coverage of PC hardware, software, and the Internet
- Strong coverage of PC maintenance and troubleshooting

**Summary**
This new edition covers all the new and updated features in Windows 11. This is today's best beginner's guide to using your computer or tablet with the Windows 11 operating system. Make the most of your Windows 11 notebook or desktop computer—without becoming a technical expert! This is the fastest way to get comfortable, get productive, get online, get started with social networking, make more connections, and have more fun! Even if you've never used a Windows computer before, this book shows you how to do what you want, one incredibly clear and easy step at a time.

Here's a small sample of what you'll learn:

- Set up your computer and use the Windows 11 Start menu and desktop
- Connect to the Internet and browse the Web with Microsoft Edge
- Get started with social networking on Facebook, Twitter, Pinterest, and LinkedIn
- Use Windows 11's built-in apps—and find great new apps in the Windows Store
- Connect printers and external storage, and set up automatic file backup
- Connect to a home wireless net...

**Contributor Bio**

Michael Miller (Twin Cities, MN) has written more than 200 non-fiction books in the past three decades. Collectively, his books have sold more than 1.5 million copies worldwide. His best-selling books for Que include My Windows 10 Computer for Seniors, My iPad for Seniors, My Video Chat for Seniors, My TV for Seniors, My Social Media for Seniors and My Facebook for Seniors.
My Windows 11 Computer for Seniors
Michael R. Miller

Key Selling Points:
My Windows 11 Computer for Seniors is an easy, full-color tutorial on the latest operating system from Microsoft.

- Written specifically for seniors—this is not a beginner level book that is shoehorned into the "Seniors" mold
- Full-color, custom interior that is designed specifically for seniors, using larger text and images
- Part of the wildly popular My... series, which has already shown some traction with the seniors audience

Summary
My Microsoft Windows 11 Computer for Seniors is an easy, full-color tutorial on the latest operating system from Microsoft.

Veteran author Michael Miller is known for his ability to explain complex topics to everyday readers. Michael wrote this book from the 50+ point of view, using step-by-step instructions and large, full-color photos to cover all the most popular tasks. Miller will help you learn to:

- Configure Windows 11 to work better for those with vision and physical challenges
- Explore the web with Microsoft's Edge browser and Google Search
- Find, install, and use the best Windows apps
- Reliably connect to the Internet, both at home and away
- Shop safely online and avoid online scams
- Make and receive video and voice calls with Skype
- Connect your phone to your PC to text and make calls
- Stay connected with friends and family on Facebook, Pinterest, and Twitter
- Shop, touch up, and share your pictures
- Send and receive email with Windows 11's Email app
- Keep track of all your files, and back them up...

Contributor Bio
Michael Miller is a prolific and popular writer of more than 200 nonfiction books who is known for his ability to explain complex topics to everyday readers. He writes about a variety of topics, including technology, business, and music. His best-selling books for Que and AARP include My Video Chat for Seniors, My iPad for Seniors, My TV for Seniors, My Social Media for Seniors, My Facebook for Seniors...

Marketing Plans
Direct Marketing on MicrosoftPressStore.com
The Microsoft Press Store averages 135,000 unique visitors each month

- Title features on home page, new releases, main topic, and subtopic store pages
- MicrosoftPressStore.com email and newsletter features (topic, series, or holiday-themed) to 112,000+ subscribers
**Project Management Absolute Beginner's Guide** *(5th Edition)*  
Greg Horine

**Key Selling Points:**  
*Today's top beginner's guide to modern project management—simple, practical instructions to ensure success!*  
- Teaches crucial concepts and techniques new project managers can utilize with any project, in any environment, using any tool  
- The closest thing to having one's own personal project management mentor and coach!  
- Includes a section on accelerating the learning curve: techniques, tools, scenarios, and hot topics for becoming an effective project manager even faster

**Summary**  
Succeed as a project manager, even if you've never run a project before! This book is the fastest way to master every project management task, from upfront budgeting and scheduling through execution, managing teams through closing projects, and learning from experience. Updated with more insights from the front lines, including agile approaches, dealing with security and privacy priorities, and leading remote/virtual teams, along with the latest on Microsoft Project and PMI standards and certifications and a special bonus chapter on preparing for the new PMP certification. This book will show you exactly how to get the job done, one incredibly clear and easy step at a time.

Project management has never, ever been this simple!

This is today's best beginner's guide to modern project management--simple, practical instructions for succeeding with every task you'll need to perform!

* Master the key skills and qualities every project manager needs  
* Learn how to lead projects, not just "manage" ...

**Contributor Bio**  
**Gregory M. Horine** is a certified (PMP, Certified Scrum Master, Six Sigma Green Belt) business technology and IT project management professional with a track record of successful results using servant leadership principles and a focused customer orientation. He has been consistently recognized for excellence in people management, leadership maturity, communication skills and problem-solving skills.
Global Licensing Department
Sams Publishing Titles
London Book Fair 2022
Coding with Roblox Lua in 24 Hours
The Official Roblox Guide
Official Roblox Books (Pearson)

Key Selling Points:

- The only official beginner's guide! Build your skills one step at a time, in 24 one-hour lessons
- Covers all you need to know to get started fast—with all example projects available for download
- Teaches through practical instructions, realistic examples, hands-on workshops, Q&As, quizzes, exercises, tips, and more

Straight from Roblox: the easy, step-by-step, full-color introduction to building great games with Roblox

- The only official beginner’s guide! Build your skills one step at a time, in 24 one-hour lessons
- Covers all you need to know to get started fast — with all example projects available for download
- Teaches through practical instructions, realistic examples, hands-on workshops, Q&As, quizzes, exercises, tips, and more

Summary
In just 24 lessons of one hour or less, Roblox Lua in 24 Hours: The Official Roblox Guide helps you learn all the skills and techniques you’ll need to code your own Roblox games. Perfect for beginners, each short and easy lesson builds upon everything that’s come before, helping you quickly master the essentials of Lua programming. Step-by-step instructions walk you through common questions, issues, and tasks; Q&As, Quizzes, and Exercises build and test your knowledge; “Did You Know?” tips offer insider advice and shortcuts; and “Watch Out!” alerts help you avoid pitfalls.

Learn how to...

- Code with properties, variables, functions, if/then statements, and loops
- Organize information using arrays and dictionaries
- Work with events to make things move, explode, count down, and do whatever you can imagine
- Keep your code manageable with abstractions and object-oriented programming
- Store data permanently to create leaderboards, inventories, and custom currency
- Use rayca...

Contributor Bio
Roblox’s mission is to bring the world together through play. Roblox enables anyone to imagine, create, and have fun with friends as they explore millions of immersive 3D experiences, all built by a global community of developers.