Python Distilled
David M Beazley

Key Selling Points:
What you need to know about today’s Python (3.5+) – from Dave Beazley, author of the best-selling Python Essential Reference

- Reflects modern Python programming idioms for Python 3.5 and beyond
- Offers practical coverage of modern Python’s most valuable advances, including generators, coroutines, decorators, and metaclasses
- Provides expanded coverage of modern library modules including asyncio, enum, and concurrent
- Thoroughly illuminates systems programming topics including OS interfaces, concurrent, and network programming
- Provides updated code examples utilizing forward-looking Python programming style

Summary
Focusing solely on the latest versions of Python (3.5 and higher), Python Distilled, from Beazley, returns to the roots of his classic Python Essential Reference: it is a concise, but powerfully useful book on effective Python programming. However, rather than trying to document “everything,” Beazley...

Expert Insight for Modern Python (3.6+) Development from the Author of Python Essential Reference

The richness of modern Python challenges developers at all levels. How can programmers who are new to Python know where to begin without being overwhelmed? How can experienced Python developers know they’re coding in a manner that is clear and effective? How does one make the jump from learning about individual features to thinking in Python at a deeper level? Dave Beazley’s new Python Distilled addresses these and many other real-world issues.

Focusing on Python 3.6 and higher, this concise handbook focuses on the essential core of the language, with updated code examples to illuminate how Python works and how to structure programs that can be more easily explained, tested, and debugged. Throughout, Beazley reflects all he’s learned teaching Python to scientists, engineers, and developers, and pushing the envelope of what makes Python tick.

Rather than trying to cover every possible feature...
Foundational Python for Data Science
Kennedy Behrman

Key Selling Points:
Learn all the foundational Python you’ll need to solve real data science problems

- Master Google Colab notebook Data Science programming
- Manipulate data with popular Python libraries such as: pandas and numpy
- Apply Python Data Science recipes to real world projects
- Learn functional programming essentials unique to Data Science
- Access case studies, chapter exercises, learning assessments, comprehensive Jupyter based Notebooks, and a complete final project

Summary
Data science and machine learning—two of the world’s hottest fields—are attracting talent from a wide variety of technical, business, and liberal arts disciplines. Python, the world’s #1 programming language, is also the most popular language for data science and machine learning. This is the first ...

Leading data science instructor and practitioner Kennedy Behrman first walks through the process of learning to code for the first time with Python and Jupyter notebook, then introduces key libraries every Python data science programmer needs to master. Once you’ve learned these foundations, Behrman introduces intermediate and applied Python techniques for real-world problem-solving.

Throughout, Foundational Python for Data Science presents hands-on exercises, learning assessments, case studies, and more – all created with Colab (Jup...
Domain Storytelling
A Collaborative, Visual, and Agile Way to Build Domain-Driven Software
Stefan Hofer, Henning Schwentner

Key Selling Points:
Master a breakthrough approach to understanding new domains—so you can build great software for them

- Use intuitive, visual storytelling techniques to get all project participants and stakeholders fully aligned
- Rapidly gain clarity about a domain's roles, tasks, tools, work items, and events
- Walk through practical use cases, from deriving requirements to making build-or-buy decisions and uncovering "shadow IT"

Summary
Storytelling is at the heart of human communication--why not use it to overcome costly misunderstandings when designing software? By telling and visualising stories, domain experts and team members make business processes and domain knowledge tangible. Domain Storytelling enables everyone to understand the relevant people, activities, and work items. With this guide, the method's inventors explain how domain experts and teams can work together to capture insights with simple pictographs, show their work, solicit feedback, and get everyone on the same page.

Build Better Business Software by Telling and Visualizing Stories
"From a story to working software--this book helps you to get to the essence of what to build. Highly recommended!"
--Oliver Drotbohm

Stefan Hofer and Henning Schwentner introduce the method’s easy pictographic language, scenario-based modeling techniques, workshop format, and relationship to other modeling methods. Using step-by-step case studies, they guide you through s...

Contributor Bio
Stefan Hofer holds a PhD in computer science, and maintains domainstorytelling.org, the home of the Domain Storytelling community. Since 2005, he has worked for WPS-Workplace Solutions, helping teams develop software that does the right job the right way. Henning Schwentner, programmer, coach, and consultant for WPS-Workplace Solutions, helps teams structure existing software and build new systems...
Software Development Pearls
Lessons from Fifty Years of Software Experience
Karl Wiegers

Key Selling Points:
Accelerate your pursuit of software development excellence with insightful “pearls of wisdom” based on immense practical experience

- Succinct statements of experience-based wisdom---for virtually all software projects, in all domains, with any technology or platform infrastructure
- Covers crucial domains of project success: requirements, design, project management, culture and teamwork, quality, and process improvement
- By Karl Wiegers, internationally renowned software process improvement expert, author, and presenter

- Succinct statements of experience-based wisdom---for virtually all software projects, in all domains, with any technology or platform infrastructure
- Covers crucial domains of project success: requirements, design, project management, culture and teamwork, quality, and process improvement
- By Karl Wiegers, internationally renowned software process improvement expert, author, and presenter

Summary
Drawing on 20+ years helping software teams succeed in nearly 150 organizations, Karl Wiegers presents 60 concise lessons and practical recommendations students can apply to all kinds of projects, regardless of application domain, technology, development lifecycle, or platform infrastructure.

Embodyi...

Accelerate Your Pursuit of Software Excellence by Learning from Others' Hard-Won Experience

"Wouldn't it be great to gain a lifetime's experience without having to pay for the inevitable errors of your own experience? Karl Wiegers is well versed in the best techniques of business analysis, software engineering, and project management. You'll gain concise but important insights into how to recover from setbacks as well as how to avoid them in the first place."
--Meilir Page-Jones, Senior Business Analyst, Wayland Systems Inc.

Experience is a powerful teacher, but it's also slow and painful. You can't afford to make every mistake yourself! Software Development Pearls helps you improve faster and bypass much of the pain by learning from others who already climbed the learning curves. Drawing on 25+ years helping software teams succeed, Karl Wiegers has crystallized 60 concise, practical lessons for all your projects, regardless of your role, industry, technology, or methodology.

Wiegers's insi...

Contributor Bio
Karl Wiegers is Principal Consultant with Process Impact, a software development consulting and training company in Happy Valley, Oregon. Previously, he spent eighteen years at Kodak, where he held positions as a photographic research scientist, software developer, software manager, and software process and quality improvement...
Strategic Monoliths and Microservices
Driving Innovation Using Purposeful Architecture
Vaughn Vernon, Tomasz Jaskula

Key Selling Points:
Transform underperforming business software systems to strategic digital enterprise assets through deep learning and software development execution

- Make informed microservices architecture choices optimized to serve all stakeholders
- Presents balanced coverage of making the most of both monoliths and microservices depending on each project’s requirements and goals
- Lead authored by Vaughn Vernon, one of the world’s leading experts in software architecture
- The first title in AW’s new Vaughn Vernon Signature Series on advancing software development maturity and implementing business-centric practices for greater success

Summary
Strategic Monoliths and Microservices helps business decision-makers and technical team members collaborate to clearly understand their strategic problems, and identify their optimal architectural approaches, whether those turn out to be distributed microservices, well-modularized monoliths, or coar...

Make Software Architecture Choices That Maximize Value and Innovation

"[Vernon and Jaskuła] provide insights, tools, proven best practices, and architecture styles both from the business and engineering viewpoint. . . . This book deserves to become a must-read for practicing software engineers, executives as well as senior managers."
--Michael Stal, Certified Senior Software Architect, Siemens Technology

Strategic Monoliths and Microservices helps business decision-makers and technical team members clearly understand their strategic problems through collaboration and identify optimal architectural approaches, whether the approach is distributed microservices, well-modularized monoliths, or coarser-grained services partway between the two.

Leading software architecture experts Vaughn Vernon and Tomasz Jaskula show how to make balanced architectural decisions based on need and purpose, rather than hype, so you can promote value and innovation, deliver more evolvable systems, and avoid costly...
Clean Craftsmanship
Disciplines, Standards, and Ethics
Robert C. Martin

Key Selling Points:
The disciplines, standards, and ethics you need to write code you’re proud of, every single day

- The eagerly-anticipated new book from "Uncle Bob" – Robert C. Martin, author of The Clean Coder, Clean Code, Clean Architecture, and Clean Agile
- Pragmatic, technical, and prescriptive advice on the five foundational disciplines of software craftsmanship
- Insights for escaping the mindset that higher productivity must mean lower quality – and building software that’s worthy of trust

Summary
How to Write Code You’re Proud of . . . Every Single Day

". . . [A] timely and humble reminder of the ever-increasing complexity of our programmatic world and how we owe it to the legacy of humankind--and to ourselves--to practice ethical development. Take your time reading Clean Craftsmanship. . . . Keep this book on your go-to bookshelf. Let this book be your old friend--your Uncle Bob, your guide--as you make your way through this world with curiosity and courage."

--From the Foreword by Stacia Heimgartner Viscardi, CST & Agile Mentor

In Clean Craftsmanship, the legendary Robert C. Martin ("Uncle Bob") has written the principles that define the profession--and the craft--of software development. Uncle Bob brings together the disciplines, standards, and ethics you need to deliver robust, effective code and to be proud of all the software you write.

Robert Martin, the best-selling author of Clean Code, provides a pragmatic, technical, and prescriptive guide to the foundational disciplines...

Contributor Bio
Robert C. Martin ("Uncle Bob") wrote his first line of code at the age of 12 in 1964 and has been employed as a programmer since 1970. He is cofounder of cleancoders.com, offering online video training for software developers, and is founder of Uncle Bob Consulting LLC, offering software consulting, training, and skill development services to major corporations worldwide. He served as the Master C...
Code That Fits in Your Head
Heuristics for Software Engineering
Mark Seemann

Key Selling Points:
Proven practices and techniques for reducing code complexity and developing software more sustainably

- Actionable advice for writing code at a sustainable pace and creating sustainable code bases – by the author of the "Humane Code" series at Robert C. Martin’s cleancoders.com
- Helps developers rein in complexity to build great software within budget and resource constraints
- Packed with C# code examples and accompanied by a comprehensive sample application code base organized in a Git repository
- Carefully written to serve developers working with any object-oriented enterprise language: C#, Java, and beyond
- The latest title in Addison Wesley’s renowned Robert C. Martin Series on better software development

Summary
How to Reduce Code Complexity and Develop Software More Sustainably

"Mark Seemann is well known for explaining complex concepts clearly and thoroughly. In this book he condenses his wide-ranging software development experience into a set of practical, pragmatic techniques for writing sustainable and human-friendly code. This book will be a must-read for every programmer."
-- Scott Wlaschin, author of Domain Modeling Made Functional

Code That Fits in Your Head offers indispensable, practical advice for writing code at a sustainable pace and controlling the complexity that causes projects to spin out of control.

Reflecting decades of experience helping software teams succeed, Mark Seemann guides you from zero (no code) to a deployed feature and shows how to maintain a good cruising speed as you add functionality, address cross-cutting concerns, troubleshoot, and optimize. You'll find valuable ideas, practices, and processes for key issues ranging from checklists to teamwork, encapsulation to...

Contributor Bio
Mark Seemann (Copenhagen, Denmark) is an independent programmer, software architect, author, blogger, and conference speaker who has been programming professionally since 1995.
The Language of SQL (3rd Edition)
Larry Rockoff

Key Selling Points:
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
The Language of SQL, Third Edition
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.

A number of 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.

Finally, this book covers the syntax of three widely used databases: Microsoft ...

Contributor Bio
Larry Rockoff has been involved with SQL and Business Intelligence development for many years. His main area of interest is in using reporting tools to explore and analyze data in complex databases. He holds an MBA from the University of Chicago and a BFA from University of Illinois.
A Field Guide to Digital Transformation

Thomas Erl

Key Selling Points:

- Provides realistic, well-structured guidance to help students succeed, every step of the way
- Offers complete coverage of risks, challenges, and pitfalls
- Includes a "from the ground up" tutorial on the fundamental concepts underlying digital transformation
- Co-authored by best-selling IT author Thomas Erl (Service-Oriented Architecture: A Field Guide to Integrating XML and Web Services)

The practical guide to successfully leading and executing digital transformation projects

- Provides realistic, well-structured guidance to help managers and technical professionals succeed, every step of the way
- Offers complete coverage of risks, challenges, and pitfalls
- Includes a "from the ground up" tutorial on the fundamental concepts underlying digital transformation
- Co-authored by best-selling IT author Thomas Erl (Service-Oriented Architecture: A Field Guide to Integrating XML and Web Services)

Summary

A Field Guide to Digital Transformation is a complete tutorial on digital transformation concepts, tools, technologies and practices, organized into a proven industry framework for adoption. Best-selling IT author Thomas Erl and long-time practitioner Amin Naserour offer end-to-end coverage of the f...

Your Complete Guide to Digital Transformation

A Field Guide to Digital Transformation is the definitive book on digital transformation. Top-selling IT author Thomas Erl and long-time practitioner Roger Stoffers combine to provide comprehensive, yet easy-to-understand coverage of essential digital transformation concepts, practices, and technologies in the format of a plain-English tutorial written for any IT professionals, students, or decision-makers.

With more than 160 diagrams, this guide provides a highly visual exploration of what digital transformation is, how it works, and the techniques and technologies required to successfully build modern-day digital transformation solutions.

Learn from the experts and:

- Discover what digital transformation is, why it emerged and when to apply it
- Identify the significant business benefits that successful digital transformations can deliver and how to turn your organization into a “disruptive” force
- Prepare for and overcome the common challenges as...

Contributor Bio

Thomas Erl is a best-selling IT author who has authored and co-authored 15 books
Modern Software Engineering
Doing What Really Works to Build Better Software Faster
David Farley

Key Selling Points:

- Clarify what you're trying to accomplish
- Choose your tools based on sensible criteria
- Organize work and systems to facilitate continuing incremental progress
- Evaluate your progress toward thriving systems, not just more "legacy code"
- Gain more value from experimentation and empiricism
- Stay in control as systems grow more complex
- Achieve rigor without too much rigidity
- Learn from history and experience
- Distinguish "good" new software development ideas from "bad" ones

Modern software engineering techniques that amplify your creativity and help you build more robust, repeatable software.

- By Dave Farley, pioneer in Continuous Delivery and other breakthrough software development innovations
- Illuminates the discipline of software development as exercise in learning, exploration, and managing complexity—and shows what that means in real life
- Pithy and accessible: gives developers deeper insight into their work, so they can build better software faster and more happily
- An ideal high-level companion to best-selling guides on the discipline of software engineering by Bob Martin

Summary
Writing for students at all levels of experience, Farley illuminates durable principles at the heart of effective software development. He distills the discipline into two core exercises: first, learning and exploration, and second, managing complexity. For each, he defines principles that can help ...

Amplify Your Creativity, Effectiveness, and Personal Fulfillment as a Software Professional

In Modern Software Engineering, continuous delivery pioneer David Farley helps software professionals think about their work more effectively, manage it more successfully, and genuinely improve the quality of their applications, their lives, and the lives of their colleagues.

Writing for programmers, managers, and technical leads at all levels of experience, Farley illuminates durable principles at the heart of effective software development, He distills the discipline into two core exercises: first, learning and exploration, and second, managing complexity. For each, he defines principles that can help you improve everything from your mindset to the quality of your code, and describes approaches proven to promote success.

Farley's ideas and techniques cohere into a unified, scientific, and foundational approach to solving practical software development problems within realistic economic constraint...

Contributor Bio

David Farley, founder and consultant for Continuous Delivery Ltd., has been a...
Understanding Software Dynamics
Richard L Sites

Key Selling Points:
- Master approaches which can be applied anywhere from mobile apps to datacenters and the cloud
- Find and resolve the root causes of delays and other performance anomalies
- Gain deep practical experience by building and using an extremely-low-overhead tool for tracing what is executing on every CPU core
- By Richard Sites, a pioneer in performance monitoring at Google, Adobe, HP, IBM, DEC, and beyond

Troubleshoot and optimize the performance of complex, time-constrained software
- Master approaches you can apply anywhere from mobile apps to datacenters and the cloud
- Find and resolve the root causes of delays and other performance anomalies
- Gain deep practical experience by building and using an extremely-low-overhead tool for tracing what is executing on every CPU core
- By Richard Sites, a pioneer in performance monitoring at Google, Adobe, HP, IBM, DEC, and beyond

Summary
World-renowned software performance expert Richard Sites offers expert methods and advanced tools for understanding complex, time-constrained software dynamics, improving software reliability, and troubleshooting challenging performance problems. He addresses CPU, memory, disk, network, and more, hel...
Core Java, Volume I (12th Edition)
Fundamentals, 12e
Cay S. Horstmann

Key Selling Points:
Timely release of classic bestseller, fully updated for Java SE17

- 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

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

For serious programmers, Core Java, Volume I—Fundamentals, Twelfth Edition, is the definitive guide to writing robust, maintainable code. Achieve a deep and practical understanding of the language and API, and its hundreds of realistic examples reveal the most powerful and effective ways to get the job done.

In this first of two volumes, Horstmann offers in-depth coverage of fundamental Java and UI programming, including objects, generics, collections, lambda expressions, Swing design, concurrency, and functional programming. If you're an experienced programmer moving to Java SE 9, 10, 11, or 17 there's no better source for expert insight, solutions, and code.

- 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...

Contributor Bio
Cay S. Horstmann is an emeritus professor of computer science at San Jose State University and a Java Champion. He is the author of Core Java®, Volume II, Eleventh Edition, Core Java for the Impatient, Second Edition (Addison-Wesley, 2018), Scala for the Impatient, Second Edition (Addison-Wesley, 2017), and Modern JavaScript for the Impatient (Addison-Wesley, 2020). He has written more than a...
Discovering Modern C++ (2nd Edition)
Peter Gottschling

Key Selling Points:
Teaches scientists, engineers, and new C++ programmers how to use modern C++ effectively in a wide spectrum of applications and problem domains

- Expanded and updated: introduces C++ 17 and C++ 20 features, plus improved and expanded coverage of multi-threading and variadic templates
- Helps you get started fast and quickly master increasingly robust features, from lambdas to expression templates
- Presents correct, clean, and modern C++ code examples throughout, demonstrating how to use C++ well even if you’re new to it
- Shows how to take advantage of the powerful Standard Template Library (STL) and scientific libraries for arithmetic, linear algebra, differential equations, and graphs
- Demonstrates how to write clear and expressive software using object orientation, generics, metaprogramming, and procedural techniques

Summary
Discovering Modern C++, Second Edition by Peter Gottschling is an intensive introduction that guides you smoothly to sophisticated approaches based on advanced features. Thoroughly updated for C++17 and C++20, this Second Edition introduces key concepts using examples from many technical problem dom...

Write Powerful, Modern C++ Code for Scientific, Engineering, and Embedded Applications

Discovering Modern C++, Second Edition, will help you master valuable skills for programming with C++ at nearly every level, from "close to the hardware" to high-level abstractions.

Updated for C++17 and C++ 20, this intensive introduction teaches C++ using realistic examples from diverse technical problem domains. Drawing on extensive experience teaching C++ to physicists, mathematicians, engineers, and students, Peter Gottschling guides you smoothly to sophisticated approaches based on advanced features.

Whatever your programming experience, you’ll rapidly master increasingly powerful features, from lambdas to expression and variadic templates. Gottschling also shows you how to apply C++'s libraries: both the Standard Template Library (STL) and...
C++ Core Guidelines
Rainer Grimm

Key Selling Points:

- Readable, concise, practical, and focused: makes the C++ Core Guidelines more accessible and usable
- Covers interfaces, functions, classes, enumerations, resource management, expressions, statements, performance, concurrency, error handling, constants, immutability, templates, generics, and more
- For all programmers using any modern version of C++, including C++17, C++14, and C++11
- By renowned C++ instructor Rainer Grimm: reflects proven examples he has refined through years of classes and seminars

Use the C++ Core Guidelines to write better modern C++ programs, and incrementally improve existing code

- Readable, concise, practical, and focused: makes the C++ Core Guidelines more accessible and usable
- Covers interfaces, functions, classes, enumerations, resource management, expressions, statements, performance, concurrency, error handling, constants, immutability, templates, generics, and more
- For all programmers using any modern version of C++, including C++17, C++14, and C++11
- By renowned C++ instructor Rainer Grimm: reflects proven examples he’s refined through years of classes and seminars

Summary

C++ expert instructor Rainer Grimm offers accessible, practical coverage of the Core Guidelines that offer the most value to students learning the C++ programming language. Offering new insights, indispensable context, and proven C++ examples drawn from his courses and seminars, Grimm helps students...

The C++ Core Guidelines, developed by a team led by C++ creator Bjarne Stroustrup and the chair of the ISO C++ standards committee Herb Sutter, provide consistent best practices for writing modern code with C++17, C++14, and C++11. Now, C++ expert instructor Rainer Grimm offers accessible, practical coverage of the Core Guidelines for working C++ developers. With new insights, indispensable context, and proven C++ examples drawn from his courses and seminars, Grimm helps you get more value from the guidelines, whether you’re writing new programs or incrementally improving legacy code.

Grimm’s wide-ranging coverage addresses C++ programming philosophy, interfaces, functions, classes, class hierarchies, enumerations, resource management, expressions, statements, performance, concurrency, error handling, constants, immutability, templates, generic programming, C-style programming, source files, the Standard Library, and more. Each section links to the original standard online, and wherever...

Contributor Bio
Rainer Grimm has worked as a software architect, team lead, and instructor since 1999, and offered seminars on C++, Python, and proprietary software since 2002. He...
Python Programming with Design Patterns
James W. Cooper

Key Selling Points:
Improve all your Python code with this clear 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

Summary
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 guide to modern Python with visual, example-driven explanations of 23 proven patterns for writing outstanding object-oriented code. Through these patterns and examples, 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.

Throughout, Cooper's informal, visual pre...

Contributor Bio
James W. Cooper (Wilton, CT) worked for the scientific instrument industry and for IBM for 25 years, primarily as a computer scientist at IBM's TJ Watson Research Center. He has written twenty previous books, including Java Design Patterns and C# Design Patterns (both Addison-Wesley.) He holds eleven patents, wrote sixty columns for JavaPro Magazine, runs his own blog on foods and chemistry (Food...
Securing 5G and Evolving Architectures
Pramod Nair

Key Selling Points:
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
- 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

Summary
This practical guide employs real-world use cases and deployment methods to address the threat vectors and mitigation techniques to secure 5G networks. 5G is a disruptive technology not only because it has the potential to support millions of devices at ultrafast speeds, but also because it has the potential to transform the lives of people around the world by improving mission-critical services that affect the safety and security of different services. 5G is susceptible to many of the cybersecurity risks found in today's existing telecom networks but also to new avenues of attack against core network services due to its complex ecosystem of technologies, stakeholders and operations, which include containerized networks, multi-access edge compute (MEC) deployments, services-based architecture, introduction of API interfaces and new use cases catering to enterprise, industrial, health and IoT services. Due to the critical services being provided by 5G and its increased threat surfaces, ...

Contributor Bio
Pramod Nair is a Lead Security Architect at Cisco Systems focusing on Service Providers. During his 20 years of experience in the industry, Pramod has worked in multiple areas, including Research and Development, designing end-to-end mobile networks and as a technical consultant on military and defense projects. In his current role within Cisco, Pramod leads 5G Security Architecture, driving its a...
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
- Forewords by Bjarne Stroustrup, C++'s creator and designer, and Herb Sutter, leading C++ architect and ISO/ANSI standards committee chair

Summary

The C++ Core Guidelines can help any C++ developer design and write C++ programs that are exceptionally reliable, robust, and well-performing. But the Guidelines are so jam-packed with excellent advice that it's hard to know where to start. So: start here, with Beautiful C++. Leading C++ programmers Guy Davidson and Kate Gregory identify 30 core guidelines you’ll find especially valuable, and offer detailed practical knowledge for making the most of them. Davidson and Gregory identify five major areas to gain benefit from the Core Guidelines:

- Avoiding "bikeshedding" (wasting valuable time on trivia instead of what's really important)
- Not hurting yourself by writing code that's more likely to cause you problems later
- Knowing which features to avoid and which to use instead
- Using C++'s newer capabilities properly, to get their benefits without creating new problems
- Writing code well by default—e.g., to remain statically type safe, prevent leaks, and enable optimization

Throughout, Davidson and...

Contributor Bio

Guy Davidson has been programming for 40 years, spending almost the entire time writing games. He is the principal coding manager at Creative Assembly, makers of the Total War game franchise. Since 1999 he has helped the great engineers there become even better engineers. He started contributing to the C++ standard development...
Creating and Using Virtual Prototyping Software
Principles and Practices
Richard P. Kendall, Douglass E. Post

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
Virtual prototyping software is a breakthrough for engineers developing complex products, and for scientists researching physical systems in physics, chemistry, biology, and even the social sciences. It enables them to quickly and inexpensively generate and assess the behavior and performance of many different options and complex systems, and choose the most interesting options for more detailed analysis and testing. The result: lower risk and cost, faster development, and greater innovation, quality, and performance.

Virtual prototyping software developers must accurately reflect physical laws in software outputs, efficiently use massively parallel high-performance computers, and build applications for highly-qualified engineers and scientists. These differences from conventional software development require unique technical and organizational skillsets. In Creating and Using Virtual Prototyping Software, renowned high-performance computing experts Douglass Post and Richard Kendall bri...
Embracing Modern C++ Safely
John Lakos, Vittorio Romeo, Rostislav Khlebnikov, Alisdair Meredith

Key Selling Points:

- Focused on what experienced C++ developers need to succeed with C++14, C++11, and other modern versions of C++
- Stresses real-life application issues, and problems that arise when engineers with diverse C++ experience collaborate
- Fact-based, data-driven, objective, and packed with realistic examples from the deep C++ experience the authors possess

A fresh, concise look at modern C++: advantages and pitfalls of each important new feature

- Focused on what experienced C++ developers need to succeed with C++14, C++11, and other modern versions of C++
- Stresses real-life application issues, and problems that arise when engineers with diverse C++ experience collaborate
- Fact-based, data-driven, objective, and packed with realistic examples from the authors’ deep C++ experience

Summary
In Embracing Modern C++ Safely, John Lakos and Vittorio Romeo analyze each core language feature of “Modern C++” (introduced by C++11 and C++14), illuminating exactly what developers and teams must know to succeed. Lakos and Romeo present extensive real-life code examples; thoroughly describe pitfal...

Maximize Reward and Minimize Risk with Modern C++

Embracing Modern C++ Safely shows you how to make effective use of the new and enhanced language features of modern C++ without falling victim to their potential pitfalls.

Based on their years of experience with large, mission-critical projects, four leading C++ authorities divide C++11/14 language features into three categories: Safe, Conditionally Safe, and Unsafe. Safe features offer compelling value, are easy to use productively, and are relatively difficult to misuse. Conditionally Safe features offer significant value but come with risks that require significant expertise and familiarity before use. Unsafe features have an especially poor risk/reward ratio, are easy to misuse, and are beneficial in only the most specialized circumstances.

This book distills the C++ community’s years of experience applying C++11 and C++14 features and will help you make effective and safe design decisions that reflect real-world, economic engineering ...

Contributor Bio
Dr. John Lakos is a senior architect and mentor for software development at Bloomberg LP, where he created the BDE team (c. 2001), which maintains Bloomberg’s open-source foundation libraries for C++ development. He is the author of Large-Scale C++ Software Design and Large-Scale C++ Volume I: Process and Architecture (both from Addison-Wesley), and is an active voting member of the C++ Standards ...
**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**
Out of all the ways for young people to learn coding, Captain Code will be the most welcoming, relevant, and fun. Created and authored by best-selling educator Ben Forta, it introduces every basic concept step by step, using projects of gradually increasing complexity. Designed for anyone age 10-17 (or thereabouts), this glossy full-color guide is packed with welcoming images, and powerfully engaging brief text that's extremely easy to understand. All code listings are in full color, with shading to reveal incremental changes, and QR links to short videos with more explanation and examples. Forta teaches with Python, one of today's most powerful and intuitive languages—and every project is a game, covering multiple popular genres. Captain Code makes programming exciting and rewarding, as it prepares a new generation to take their next steps forward—in education, careers, or both.

**Contributor Bio**
**Ben Forta** (Oak Park, MI), Adobe Systems Senior Director of Education Initiatives, spends much of his time teaching, talking, and writing about Adobe products, coding and application development, creativity, and digital literacy, and helping to shape the future of Adobe products. A best-selling author whose books have 750,000+ copies in print in English alone, he wrote the #1-selling introductory S...
**Principles of Web API Design**
*Delivering Value with APIs and Microservices*

James Higginbotham

**Key Selling Points:**

- All you need to know to design any API and scale API design processes
- Real-world insights the author has gleaned from his 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 audience requirements
- Part of the highly respected *Addison-Wesley Signature Series*

**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*

**Summary**

**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.

- Deliver great APIs by getting your design processes right
- Gain agreement on specific outcomes from design teams, customers, and other stakeholders
- Craft job stories, conduct EventStorming, and model capabilities
- Identify the r...
Ransomware and Cyber Extortion
Response and Prevention
Sherri Davidoff, Matt Durrin, Karen E. Sprenger

Key Selling Points:
The indispensable practical guide to preventing and responding to ransomware and cyber extortion

- By world-renowned "security badass" Sherri Davidoff (Data Breaches: Crisis and Opportunity) and a team of experts with 60+ years of cybersecurity experience
- Understand how cyber extortionists operate, mitigate your risks, avoid costly mistakes, and reduce attack-related damage
- Covers the entire lifecycle: prevent-detect-mitigate-remediate-recover
- Real-world case studies illuminate crucial issues, from preventing reinfection to filing insurance claims
- Discover "straight from the trenches" insider tips for communication, time management, preparation, and addressing cloud-specific issues

Summary
Today, ransomware is causing dangerous operational failures, financial catastrophes, multi-million-dollar losses, and in some cases, deaths. Ransomware is even undermining the security of nation-states and becoming a contentious issue in international diplomacy. In Ransomware and Cyber Extortion: Response and Prevention, Sherri Davidson and her internationally renowned team of cybersecurity experts offer new insights and well-structured best practices for the entire lifecycle: prevention, detection, mitigation, remediation, and recovery.

Drawing on deep experience consulting with (and negotiating for) ransomware victims, the authors reveal how cyber extortionists now operate, and show how to limit damage, avoid costly mistakes, and reduce future risks. Their real-world case studies help you understand crucial complexities of ransomware response, and address issues ranging from avoiding reinfection to filing insurance claims.

Designed for easy use when you’re under the most pressure, Rans...

Contributor Bio
Sherri Davidoff (Missoula, MT area), CEO of LMG Security, is author of Data Breaches: Crisis and Opportunity (Addison-Wesley, 2018) and co-author of Network Forensics: Tracking Hackers Through Cyberspace. She has nearly 20 years of experience as a cybersecurity professional, specializing in digital forensics, incident response, security training, penetration testing, and web security assessments. ...
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

Summary
Wherever math beyond high school algebra is needed, Network Security, 3rd Edition covers what students and other readers need to know, making it a self-contained solution suitable for undergraduate students, graduate students, and working engineers alike. To support learning and mastery, it also in...

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. They also address exciting emerging i...

Contributor Bio
Charlie Kaufman is currently Security Architect for Dell Storage Systems. Previously, he was the Security Architect for Microsoft Azure and before that for Lotus Notes. He
Exploiting Modern C++
Matthew Butler

Key Selling Points:

- The definitive guide to secure C++ coding: practical, end-to-end guidance, from design to exploit to remediation
- Understand what hackers are looking for in your designs and code
- Recognize how small real-world coding mistakes lead to massive breaches
- Detect problems through code reviews, static and dynamic testing, fuzz testing, and penetration testing
- Hunt down hidden threats in your system designs
- Master 10 simple best practices for hardening your C/C++ code
- By Matthew Butler, internationally-renowned architect and speaker on secure coding

Write secure C++ code for insecure environments — without earning a PhD in cyberwarfare!

- The definitive guide to secure C++ coding for C/C++ developers and architects: practical, end-to-end guidance, from design to exploit to remediation
- Understand what hackers are looking for in your designs and code
- Recognize how small real-world coding mistakes lead to massive breaches
- Detect problems through code reviews, static and dynamic testing, fuzz testing, and penetration testing
- Hunt down hidden threats in your system designs
- Master 10 simple best practices for hardening your C/C++ code
- By Matthew Butler, internationally-renowned architect and speaker on secure coding

Summary

Exploiting Modern C++ will help C++ students understand how hackers seek to exploit their code, how they craft their exploits, what they look for in penetrating a system, and how to design and write code that's far more resistant to attack. Leading C++ developer and secure coding expert Matthew Butler...

Exploiting Modern C++ will help C++ software engineers understand how hackers seek to exploit their code, how they craft their exploits, what they look for in penetrating a system, and how to design and write code that's far more resistant to attack. Leading C++ developer and secure coding expert Matthew Butler helps developers transform the way they view their code. Butler shows how to

- Recognize the differences between ordinary bugs and serious vulnerabilities
- Understand patterns of vulnerability in source code, architecture, and your own thinking
- Choose and apply the right tools for identifying specific flaws
- Detect problems via code reviews, static and dynamic testing, fuzz testing, and penetration
- Improve system design by performing advanced threat hunting with a hacker’s mindset
- Master 10 proven best practices for hardening any C++ code base

Practical from start to finish, Exploiting Modern C++ goes beyond conventional wisdom and static testing to help you strengthen security at all pha...
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 (Nuremberg, Germany) has held diverse roles in software architecture, enterprise architecture, innovation management, private and public cloud computing, team management, and engineering management at Siemens Healthineers. Recently, he has driven Continuous Delivery Transformation in the Siemens Healthineers Digital Ecosystem Platform, helping a large, distributed and rapidly gr...
JVM Performance Engineering
Inside the OpenJDK Hotspot VM
Monica Beckwith

Key Selling Points:
The single source of practical knowledge for experienced Java developers who want to master Java SE 9’s new APIs, features, and tools

- In-depth coverage of using Java’s long-awaited standard module system (“Project Jigsaw”) to build more scalable, secure, and maintainable software
- Covers writing modular jars, using the new logging interface and new default Garbage Collector (GC), and taking advantage of key sjavac improvements
- Shows how to achieve significant JIT performance improvements via segmented code caching
- By one of the world’s leading Java experts: Java Champion Monica Beckwith, co-author of Java Performance Companion

Summary
Java SE 9 by Example teaches experienced programmers exactly how to take full advantage of Java SE 9’s major, long-awaited improvements. Java Champion Monica Beckwith relies on extensive sample code reflecting real-world use cases to illustrate Java SE 9’s key features and functions, and demonstrate the benefits of utilizing them.

Beckwith shows how Java’s new module system (“Project Jigsaw”) enables working developers to build solutions that scale easily from tiny devices to large and complex libraries; are more secure and maintainable; and deliver exceptional performance. She reviews Java SE 9 changes in areas ranging from data types and packages to classes and interfaces, showing how to make the most of Java’s new tools and facilities. For example, you’ll learn how to:

- Create, compile and write microbenchmarks using the JMH
- Create, compile and write a modular jar
- Take advantage of Java’s new logging interface
- Take full advantage of the new default GC (garbage collection)
- Use sjavac, segm...

Contributor Bio
Monica Beckwith (Austin, TX Area) is an independent performance consultant optimizing customer applications for server-class systems running the Java Virtual Machine. Her past experiences include working with Oracle, Sun Microsystems, and AMD. She has worked with Java HotSpot VM optimizing the JIT compiler, generated code, JVM heuristics, and garbage collection and collectors. A regular speaker at...
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 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 Ent...
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. He currently creates CI/CD pipelines for...
Balancing Coupling in Software Design
Successful Software Architecture in General and Distributed Systems
Vladislav 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 Desi...

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. A long-time proponent of domain-driven design and
Coaching Agile Organizations
Scrum Beyond the Team and Across the Organization
Cesario Ramos, Illia Pavhlichenko

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. A frequent confe...
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
The accelerating pace of change is a mortal threat to teams and organizations that can’t respond quickly enough, but it opens immense new opportunities for those that can. Today, organizations need teams capable of innovating, failing fast, learning the right lessons, and quickly putting them into practice. This requires Agile Leaders with fundamentally different leadership skillsets, who can break through obsolete and limiting notions about the nature of good management. In The Professional Agile Leader, three pioneering Scrum leaders introduce a practical, proven approach to fostering responsive and adaptive team cultures. The authors structure powerful lessons around a fictionalized case study based on their own experiences helping agile leaders achieve and sustain transformations. Drawing on decades of work in the trenches, they offer deep dives into agile leadership strategies—showing how to rediscover the customer, shift from output to impact, convert predictable existential cris...

Contributor Bio
Ron Eringa (Susteren, The Netherlands) helps organizations develop agile leadership, and is a steward for the Scrum.org Professional Agile Leadership path. He has 13+ years of experience leading Agile teams. As an entrepreneur, trainer, author, frequent speaker and leadership consultant he helps organizational leaders inspire employees, grow teams, foster creativity, and create more value.

Kurt Bi...
A Network Architect's Guide to 5G
Syed F. 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. He currently advises service pr...
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...
Adobe Illustrator Classroom in a Book

Brian Wood

Key Selling Points:
The best-selling guide to the powerful illustration program from Adobe

- Includes hands-on lessons that use clear, step-by-step instructions with screenshots to teach students how to design compelling graphics using Illustrator CC
- Online components provided to all students include all lesson files plus video-enhanced Web Edition of the book
- Classroom in a Book is the official training series from Adobe Systems Inc., developed with the support of Adobe product experts
- Includes hands-on lessons that use clear, step-by-step instructions with screenshots to teach students how to design compelling graphics using Illustrator CC
- Online components provided to all students include all lesson files plus video-enhanced Web Edition of the book
- Classroom in a Book is the official training series from Adobe Systems Inc., developed with the support of Adobe product experts
- Instructor Notes will be available for this book and can be downloaded from Pearson.com/us

Summary
Adobe Illustrator 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 program. Purchase of this book includes valuable online features, including downloadable lesson files to work through the proje...

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

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 Illustrator 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 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 "Getting Started" section of the book 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, interactive quizzes, and videos that walk you through the lessons step by step

What you need to use this book: The desktop version of Adobe Illustra...

Contributor Bio
Brian Wood (Essex Junction, Vermont) is a speaker, developer and author of dozens of Adobe training books and articles. As an Adobe Certified trainer, Brian has been consulting with teachers, designers, marketing pros, business owners and front end developers alike to help them learn to design and build a variety of projects for the web.
Adobe InDesign Classroom in a Book
Kelly Kordes Anton, Tina DeJarld

Key Selling Points:

- Contains lessons that cover the basics and beyond, providing countless tips and techniques to help learners become more productive with the program
- The online companion files include all the necessary assets for readers to complete the projects featured in each chapter
- Includes full access to the Web Edition: a Web-based version of the complete eBook enhanced with video and multiple-choice quizzes
- Instructor Notes will be available for this book and can be downloaded from Pearson.com/us

Best-selling, project-based Adobe InDesign guide authorized by Adobe.

- The official training workbook from Adobe
- Contains lessons that cover the basics and beyond, providing countless tips and techniques to help learners become more productive with the program
- The online companion files include all the necessary assets for readers to complete the projects featured in each chapter
- Includes full access to the Web Edition: a Web-based version of the complete eBook enhanced with video and multiple-choice quizzes

Summary
Adobe InDesign Classroom in a Book contains 15 lessons that cover the basics and beyond, providing countless tips and techniques to help you become more productive with the program. Purchase of this book includes valuable online features, including downloadable lesson files to work through the projects...

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

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 InDesign 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 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 "Getting Started" section of the book 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, interactive quizzes, and videos that walk you through the lessons step by step

What you need to use this book: The desktop version of Adobe InDesign software...

Contributor Bio
Kelly Kordes Anton (Littleton, CO) has written and edited dozens of books and training resources on InDesign, including four previous editions of the Adobe InDesign Classroom in a Book. She also writes articles on such diverse topics as youth hockey, service dog training, and financial education.
Adobe Photoshop Classroom in a Book
Conrad Chavez, Andrew Faulkner

Key Selling Points:

- This text is the fastest, easiest, most comprehensive way for students to learn Adobe Photoshop
- Comprehensive, project-based lessons teach key concepts for editing digital images
- Official training series from Adobe, developed with the support of Adobe product experts
- Instructor Notes will be available for this book and can be downloaded from Pearson.com/us

Best-selling book on Adobe Photoshop

- Comprehensive, project-based lessons teach key concepts for working efficiently with Adobe Photoshop tools, filters, and effects to touch up, modify, and transform images
- Updated and new lessons throughout address new features in Photoshop CC
- Official training series from Adobe Systems Inc., developed with the support of Adobe product experts

Summary
Adobe Photoshop Classroom in a Book contains 15 lessons that cover the basics and beyond, providing countless tips and techniques to help you become more productive with the program. Purchase of this book includes valuable online features, including downloadable lesson files to work through the projects.

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 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 program. You can follow the book from start to finish or choose only those lessons that interest you.

Purchasing this book includes valuable online extras. Follow the instructions in the "Getting Started" section of the book 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

What you need to use this book: Adobe Photoshop software, for either Windows or macOS. (Software not included.)

Note: Classroom in a Book does not replace the d...

Contributor Bio
Conrad Chavez (Seattle, WA) writes about digital photography and Adobe Creative Cloud workflows. Conrad is the author or co-author of many books, including Adobe Photoshop Classroom in a Book (since the 2015 release) and the last three editions of...
Adobe After Effects Classroom in a Book
Lisa Fridsma, Brie Gyncild

Key Selling Points:
The best-selling guide to the powerful illustration program from Adobe

- Includes hands-on lessons that use clear, step-by-step instructions with screenshots to teach students key concepts for creating cinematic visual effects and sophisticated motion graphics using After Effects CC
- Online components include all lesson files plus video-enhanced Web Edition of the book
- Classroom in a Book is the official training series from Adobe Systems Inc., developed with the support of Adobe product experts

Summary
The fastest, easiest, most comprehensive way to learn Adobe After Effects

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 After Effects Classroom in a Book contains 15 lessons that cover the basics and beyond, providing countless tips and techniques to help you become more productive with the program. Learn how to create, manipulate, and optimize motion graphics for film, video, DVD, the web, and mobile devices. You can follow the book from start to finish or choose only those lessons that interest you.

Purchasing this book includes valuable online extras. Follow the instructions in the "Getting Started" section of the book 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, interactive quizzes, and videos that walk you...

Contributor Bio
Lisa Fridsma (Bethesda, MD) has long loved the process of teaching others to use Adobe product. She has written, edited, and designed more than thirty books in the Classroom in a Book series over the last decade and a half (including books on Photoshop and After Effects), going back to her time on staff at Adobe. She's currently the owner of Darlington Hill Productions (informational illustrations...
Adobe Dreamweaver Classroom in a Book
James J. Maivald

Key Selling Points:

- Includes 12 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

Adobe Dreamweaver CC Classroom in a Book is the best-selling guide to Adobe's powerful web design application, fully updated. The 12 project-based lessons in this book show students step-by-step everything they need to know in order to create a professional website without having to write code by ha...

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 contains 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, interactive quizzes, and videos that walk you through the lessons step by step

What you need to use this book: Adobe Dreamweaver software, for either Window...

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. He leads popular seminars and traini...
Adobe Photoshop Lightroom Classic Classroom in a Book
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

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 contains 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

What you need to use this book: Adobe Photoshop Lightroom Classic software, for either Windows or macOS. (Software not includ...}

Contributor Bio
Rafael "RC" Concepcion 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, RC has more than ...
Adobe Animate Classroom in a Book
Russell Chun

Key Selling Points:
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.

- 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.

Summary
Creative professionals seeking the fastest, easiest, most comprehensive way to learn Adobe Animate choose Adobe Animate CC Classroom in a Book from Adobe Press. The 11 project-based step-by-step lessons in this book show users the key techniques for working in Animate. Adobe Animate CC provides more ...

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 Book contains 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, interactive quizzes, and videos that walk you through the lessons step by step

What you need to use this book: Adobe Animate software, for either Windows or macOS....

Contributor Bio
Russell Chun earned his master's degree in medical illustration from the Johns
Kotlin Programming (2nd Edition)
The Big Nerd Ranch Guide
David Greenhalgh, Josh Skeen

Key Selling Points:
Write better Android apps faster: master Kotlin, hands-on, through practical apps and world-class instruction from the experts at Big Nerd Ranch!

- Take full advantage of Kotlin’s expressivity, power, and interoperability to create higher quality apps with less coding
- Move from first principles to advanced techniques, one step at a time
- Includes cutting-edge coverage of Kotlin Standard Library, functional programming, platform-independent Kotlin, and more

- Students will take full advantage of the expressivity, power, and interoperability of Kotlin to create higher quality apps with less coding
- Move from first principles to advanced techniques, one step at a time
- Includes cutting-edge coverage of Kotlin Standard Library, functional programming, platform-independent Kotlin, and more

Summary
In this book students will learn to work effectively with the Kotlin language through carefully considered examples designed to teach them elegant style and features of Kotlin.

Starting from first principles, they will work their way to advanced usage of Kotlin, empowering them to create programs that...

Kotlin is a statically typed programming language designed to interoperate with Java and fully supported by Google on the Android operating system.

Based on Big Nerd Ranch’s popular Kotlin Essentials course, and written for Kotlin 1.4, this guide shows you how to work effectively with the Kotlin programming language through hands-on examples and clear explanations of key Kotlin concepts and foundational APIs.

Whether you are an experienced Android developer looking for modern features beyond what Java offers or a new developer ready to learn your first programming language, the authors will guide you from first principles to advanced usage of Kotlin. By the end of this book, you will be empowered to create reliable, concise applications in Kotlin.

Contributor Bio
Josh Skeen (Atlanta, GA) is a software engineer and instructor at Big Nerd Ranch. A graduate of the Cooper Union for the Advancement of Science and Art, he discovered software as a medium for creating interactive art and has been hooked ever since. When not in front of a computer, you can find him running, practicing Brazilian jiu-jitsu, or creating patches for his modular synthesizer.
CCNP Collaboration Cloud and Edge Solutions CLCEI 300-820 Official Cert Guide
Jason Ball, Thomas Arneson

Key Selling Points:
Straight from Cisco: official complete assessment, review, and practice for the new Implementing Cisco Collaboration Cloud and Edge Solutions (CLCEI 300-820) exam

- Authoritative coverage of every CLCEI 300-820 exam topic, with all the context and practical examples you need
- Logical, well-organized, and practical coverage of collaboration cloud and edge solutions, including Cisco Unified IM and Presence, Expressway configurations, and Cisco Webex Teams hybrid and emerging technologies
- Includes realistic practice tests, plus extensive proven features to help you review more efficiently
- By two of the world's leading experts in Cisco collaboration technologies
- For all candidates pursuing CCNP Collaboration certification

Summary
This is Cisco's official, comprehensive self-study resource for Cisco's CLCEI 300-820 exam (Implementing Cisco Collaboration Cloud and Edge Solutions), one of the most popular concentration exams required for the Cisco Certified Network Professional (CCNP) Collaboration certification. It will thorough...

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 Collaboration Cloud and Edge Solutions CLCEI 300-820 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 enable 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 Cisco CCNP Collaboration Cloud and Edge Solutions CLCEI 300-820 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
Anyone who has worked with Jason Ball or has sat in one of his classes knows that his enthusiasm for collaboration is matched only by his engaging zeal for teaching. Jason's current position as a solution readiness engineer in Collaboration for Cisco awards him...
Network Automation Made Easy
Ivo Pinto

Key Selling Points:
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
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 Network Automation Made Easy, 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, Ivo Pinto 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. Coverage includes:

- Exploring modern use cases for network automation, and comparing today's most widely used automation ...

Contributor Bio
Ivo Pinto (CCIE No. 57162, Security, Data Center, Enterprise Infrastructure; Alcobendas, Madrid, Spain) is currently Technical Lead at Cisco's Office of the CTO, focused on strategic innovation for multicloud architectures and automation. One of the youngest engineers ever to become a Solutions Architect at Cisco, he has led architecture and deployment of many automated global-scale solutions now ...
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 Curriculum Objectives.

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. 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. No prerequisites required!
CCNP Security Virtual Private Networks SVPN 300-730
Official Cert Guide
Joseph Muniz, Steven Chimes, James Risler

Key Selling Points:

- Authoritative coverage of every SVPN 300-730 exam topic, with all the context and practical examples you need
- Logical, well-organized, and practical coverage of secure remote communications with VPN solutions, including secure communications, architectures, and troubleshooting
- Includes realistic practice tests, plus extensive proven features to help you review more efficiently
- By three leading experts in Cisco security
- For all candidates pursuing CCNP Security certifications

Straight from Cisco: official complete assessment, review, and practice for the new Implementing Secure Solutions with Virtual Private Networks (SVPN 300-730) exam

- Authoritative coverage of every SVPN 300-730 exam topic, with all the context and practical examples you need
- Logical, well-organized, and practical coverage of secure remote communications with VPN solutions, including secure communications, architectures, and troubleshooting
- Includes realistic practice tests, plus extensive proven features to help you review more efficiently
- By three leading experts in Cisco security
- For all candidates pursuing CCNP Security certifications

Summary

Designed for all CCNP Security candidates, CCNP Security Virtual Private Networks SVPN 300-730 Official Cert Guide covers every SVPN #300-730 objective concisely and logically, with extensive teaching features designed to promote retention and understanding. You'll find:

- Pre-chapter quizzes to assess...

This is Cisco’s official, comprehensive self-study resource for Cisco’s SVPN 300-730 exam (Implementing Secure Solutions with Virtual Private Networks), one of the most popular concentration exams required for the Cisco Certified Network Professional (CCNP) Security certification. It will thoroughly prepare network professionals to deliver secure solutions based on Cisco VPN technologies.

Designed for all CCNP Security candidates, CCNP Security Virtual Private Networks SVPN 300-730 Official Cert Guide covers every SVPN #300-730 objective concisely and logically, with extensive teaching features designed to promote retention and understanding. You'll find:

- Pre-chapter quizzes to assess knowledge upfront and focus your study more efficiently
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
CCNP Security Cisco Firepower SNCF 300-710 Official Cert Guide presents you with an organised 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 ...

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
**CCIE Enterprise Infrastructure Foundation (2nd Edition)**
Narbik Kocharians

### Key Selling Points:
- 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

### 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*

### 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 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:

- Discover the physical topo...

### Contributor Bio
**Narbik Kocharians**, CCIE No. 12410 (Routing and Switching, Security, SP; Glendale, CA)
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.
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.

Designed for all Cisco DevNet Professional candidates, it covers every DEVCOR...
Begin to Code with JavaScript
Rob Miles

Key Selling Points:
Quickly learn JavaScript programming, and get started on your path to being a professional developer!

- The latest title in Microsoft’s new series of full-color programming books, designed from the ground up to empower today’s beginners
- By the author of Begin to Code with C# and Begin to Code with Python, the first beginner’s guides to give you creative, hands-on input into how you learn a new programming language
- Covers HTML and CSS, how JavaScript programs run, game creation, local and remote data storage, JavaScript frameworks, libraries, and more
- Packed with "Make Something Happen" exercises to show off your growing skills and help you build original code
- Reflects deep analysis of what hasn’t worked in other beginner’s guides, and innovative thinking about how to teach programming more effectively
- A perfect complement to any other book or course on JavaScript

Summary
This full-color book will inspire beginner JavaScript learners to start solving problems and creating programs with JavaScript, even with absolutely no programming experience. It is not just friendly and easy: it is the first JavaScript guide for beginners that puts readers in control of their own...

Become a JavaScript programmer and have fun doing it!

Start writing software that solves real problems, even if you have absolutely no programming experience! This friendly, easy, full-color book puts you in total control of your own learning, empowering you to build unique and useful programs. Microsoft has completely reinvented the beginning programmer’s tutorial, reflecting deep research into how today’s beginners learn, and why other books fall short. Begin to Code with JavaScript is packed with innovations, from its JavaScript code samples you can interact with straight from your browser to its "Make Something Happen" projects. Whether you’re a total beginner or you’ve tried before, this guide will put the power, excitement, and fun of programming where it belongs: in your hands! Easy, friendly, and you’re in control!

Learn how to...
Microsoft Azure Compute
The Definitive Guide
Avinash Valiramani

Key Selling Points:
Drive maximum operational efficiency and cost savings in any Azure environment

- Gain an in-depth understanding of the best ways to design, deploy, and manage Azure compute workloads
- Leverage proven best practices and insider insights for delivering Azure services and solutions more efficiently
- Accelerate your cloud transformation while also optimizing cloud services cost
- Gain an in-depth understanding of the best ways to design, deploy, and manage Azure compute workloads
- Leverage proven best practices and insider insights for delivering Azure services and solutions more efficiently
- Accelerate cloud transformation while also optimizing cloud services cost

Summary
In this guide, a leading Azure consultant presents a deep dive into best strategies for Azure Compute planning, design, deployment, and operation. Avinash Valiramani covers Azure VMs and Scale Sets, App Services, the Azure Service Fabric, container instances, Kubernetes Service, Azure Functions, Azu...

Companies worldwide are migrating to Azure to improve operational efficiency, scale faster, and enhance long-term stability. Azure Compute is a core component of virtually all Azure cloud solutions, but suboptimal design, implementation and monitoring practices can lead to unwanted downtimes, higher costs, and long-term problems with growth and management.

In this guide, a leading Azure consultant presents a deep dive into best strategies for Azure Compute planning, design, deployment, and operation. Avinash Valiramani covers Azure VMs and Scale Sets, App Services, the Azure Service Fabric, container instances, Kubernetes Service, Azure Functions, Azure Batch, and more.

For each major compute workload, Valiramani introduces proven best practices reflecting his extensive real-world experience and collaboration with the Microsoft Azure team. With his practical guidance, every cloud architect, developer, and administrator can make the most of their Azure investment.

Contributor Bio
Avinash Valiramani (Mumbai, Maharashtra, India) has 14+ years of IT experience, and holds more than 15 certifications, including MCSE - Microsoft Azure and MCSA - Office365. He has extensive experience in designing and deploying IT infrastructure for large-scale globally dispersed companies, and currently leads a successful IT consulting company in areas related to Azure cloud infrastructure and s...
Microsoft Project Step by Step (covering Project Online Desktop Client)
Cindy Lewis

Key Selling Points:
- Easy lessons for essential tasks
- Big full-color visuals
- Skill-building practice files

Experience learning made easy—and quickly teach yourself how to create compelling presentations with Microsoft Project
- Easy lessons for essential tasks
- Big full-color visuals
- Skill-building practice files

Summary
Now students can learn Microsoft Project efficiently and painlessly!
- Quickly start a new plan, build task lists, and assign resources
- Share plans and track progress
- Capture and fine-tune work and cost details
- Use Gantt charts and other views and reports to visualize project schedules
- Share resources across multiple plans and consolidate projects

The quick way to learn Microsoft Project!
This is learning made easy. Get more done quickly with Microsoft Project. Jump in wherever you need answers—brisk lessons and colorful screenshots show you exactly what to do, step by step.
- Quickly start a new plan, build task lists, and assign resources
- Share your plan and track your progress
- Capture and fine-tune work and cost details
- Use Gantt charts and other views and reports to visualize project schedules
- Share resources across multiple plans and consolidate projects
- Master project management best practices while you learn Project
- Look up just the tasks and lessons you need

Contributor Bio
Cindy Lewis (Ada, MI) is a project management consultant and trainer with 4 Pillars of Success, her consultancy business. She travels frequently to help clients around the world gain business value and is also a sought-after speaker who presents on a variety of topics related to project management.
Cindy is a multiyear recipient of the Microsoft Most Valuable Professional (MVP) award, with specific...
Programming ML.NET
Dino Esposito

Key Selling Points:
The official expert guide to machine learning programming with ML.NET and the .NET stack for all experienced Microsoft developers

- Clearly explains the ML.NET model, pipeline, and capabilities
- Provides end-to-end tutorials on common ML tasks, and realistic examples throughout
- Expert coverage of neural networks includes an expert executive summary and reusable samples
- By Dino Esposito, one of the world’s most respected authors, trainers, and consultants on Microsoft development technologies

Summary
With .NET 5’s ML.NET and Programming ML.NET, any Microsoft .NET developer can solve serious machine learning problems, increasing their value and competitiveness in some of today’s fastest-growing areas of software development. World-renowned Microsoft development expert Dino Esposito covers everything you need to know about ML.NET, the machine learning pipeline, and real-world machine learning solutions development.

Modeled on his popular Programming ASP.NET books, this guide takes the same scenario-based approach Microsoft’s team used to build the ML.NET framework itself. Esposito presents and illuminates ML.NET’s dedicated mini-frameworks (“ML Tasks”) for specific classes of problems, and draws on personal experience to help developers apply these in the real world, where a problem’s complexity can vary widely based on data availability or the specific results you need. In a full section on ML.NET neural networks, Esposito introduces key concepts and presents realistic examples you ...

Contributor Bio
Dino Esposito (Monterotondo, Roma, Italy), is CTO and co-founder of Crionet, a startup providing software and IT services to professional tennis and sports companies. A 14-time Microsoft MVP, he is author of more than 20 books, including Introducing Machine Learning and Microsoft .NET: Architecting Applications for the Enterprise. He has written MSDN Magazine's Cutting Edge column for 22 years, an...
Windows Internals, Part 2 (7th Edition)
Mark E. Russinovich, Andrea Allievi, Alex Ionescu, David A. Solomon

Key Selling Points:
The indispensable Part II of the definitive guide to Windows internals -- fully updated for Windows 10

- Written by Microsoft’s own kernel developer Andrea Allievi in collaboration with legendary Windows expert Alex Ionescu
- Foreword by Mark Russinovich (now Microsoft’s Azure CTO), and extensively reviewed by Microsoft’s teams of developers and architects
- The complete, official source of public information on Windows’ internal behavior, mechanisms, and operation: crucial for software architecture, driver development, debugging, reverse engineering, system optimization, security hardening, and support
- Covers UEFI boot, including secure launch & measured boot, the registry, WMI, ALPC, Event Tracing for Windows (ETW), Windows Notification Facility (WNF), the cache manager, NTFS and ReFS, Hyper-V, the secure kernel and virtualization based security (VBS), the Universal Windows Platform (UWP) application model, and more
- Demonstrates key Windows behaviors with hands-on experiments you can replicate, leveraging the latest debugger technologies such as NatVis and LINQ

Summary
Drill down into Windows architecture and internals, discover how core Windows components work behind the scenes, and master information you can continually apply to improve architecture, development, system administration, and support.

Written by a team of renowned Windows experts, this classic guide...

The definitive guide to modern Windows internals: new coverage of virtualization, file systems, boot, security, and more.

For advanced computing professionals, this is the definitive up-to-date guide to how Windows core components behave “under the hood.” Using it, experienced developers can build more powerful and scalable software, administrators can debug complex system and performance problems, and security researchers can harden their systems. This
**Microsoft Office 365 Inside Out**

Joe Habraken

**Key Selling Points:**
- Timesaving solutions
- Troubleshooting tips
- Workarounds

**The definitive one-stop Microsoft 365 resource**
- Timesaving solutions
- Troubleshooting tips
- Workarounds

**Summary**
Renowned Office expert Joe Habraken offers a complete tour, with cutting-edge techniques and shortcuts for Word, Excel, PowerPoint, Outlook, OneNote, and Teams. Discover how experts tackle today's key tasks—and gain new levels of mastery.

- Create amazing content faster with Office's new features, tool...

**Conquer Office apps in Microsoft 365 -- from the inside out!**

Dive into Microsoft Office and really put its productivity tools and services to work! This supremely organized reference packs hundreds of timesaving solutions, tips, and workarounds -- all you need to make the most of Office's most powerful tools for productivity and decision-making.

Renowned Office expert Joe Habraken offers a complete tour, with cutting-edge techniques and shortcuts for Word, Excel, PowerPoint, Outlook, OneNote, and Teams. Discover how experts tackle today's key tasks -- and challenge yourself to new levels of mastery.

- Create amazing content faster with Office's new features, tools, and shortcuts
- Share, collaborate with, and secure Office files in the cloud
- Organize, edit, and format complex documents with Microsoft Word
- Build tables of contents, captions, indexes, and footnotes that automatically update
- Efficiently enter and manage data in Excel workbooks, and format it for easy understanding
- Build flexible, rel...

**Contributor Bio**

**Joe Habraken** (Portland, ME) is an educator, digital media and computer technology professional, and best-selling author with more than 25 years of experience in the information technology and digital media production fields. He has written more than 35 books, which include numerous titles on the Microsoft Office application suite, computer networking, and Microsoft's Windows Server network platform...
Microsoft Office 365 Step by Step
Joan Lambert

Key Selling Points:
This is learning made easy -- get productive fast with Office 365:

- Build exactly the skills you need by working at your own pace through many easy-to-follow lessons and skill-building exercises
- Features up-to-the minute interior design, making learning easier than ever
- Covers the key components of Office - Word, Excel, PowerPoint, and Outlook

Summary

- Covers Word, Excel, PowerPoint, and Outlook
- Format Word documents for maximum visual impact
- Build powerful, reliable Excel workbooks for analysis and reporting
- Prepare highly effective PowerPoint presentations
- Use Outlook to organize your email, calendar, and contacts
- Includes downloadable practice files

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

- Covers Word, Excel, PowerPoint, and Outlook
- Format Word documents for maximum visual impact
- Build powerful, reliable Excel workbooks for analysis and reporting
- Prepare highly effective PowerPoint presentations
- Use Outlook to organize your email, calendar, and contacts
- Includes downloadable practice files

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...
Microsoft Teams Step by Step
Michael Bussey

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
Michael Bussey (Holly Springs, NC), IT Regional Coordinator for Wake Technical Community College, provides Teams training to faculty and staff who utilize the platform to collaborate with students and peers. He has specialized in IT support, training, and consulting for over 13 years, advocated for Teams collaboration since the product was first released, and championed Teams through support conte...
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 Microsoft Visual C# fundamentals with Visual Studio.

Expand your expertise—and teach yourself the fundamentals of programming with the latest version of Visual C# with Visual Studio. If you are an experienced software developer, you'll get all the guidance, exercises, and code you need 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 Visual Studio debugger
- Make the most of improvements to C# methods, parameters, and switch statements
- Master the C# object model, and create your own functional data structures
- Leverage advanced properties, indexers, generics, and collection classes
- Create Windows 10 apps that share data, collaborate, and use cloud services
- Integrate Cortana to...

Contributor Bio
John Sharp is a designer, art historian, curator and educator with over twenty five years of involvement in the creation and study of art and design. He is the Associate Professor of Games and Learning at Parsons The New School for Design. Along with Colleen Macklin, John co-directs PETLab (Prototyping, Education and Technology Lab), a research group focused on games and their design as a form of...
Microsoft Word 365 Step by Step
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...
Microsoft Excel 365 Data Analysis and Business Modeling (7th Edition)
Wayne Winston

Key Selling Points:

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

- 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

- 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

Summary

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. A lot has changed in Office 365 since the previous edition. This new edition covers new functions (STOCKHISTORY, LET, LAMBDA, XLOOKUP) and new array functions. It also covers the new Data types that have been added. Finally, we've increased the coverage of Power Pivot, Macros, and Power Query.

Practice with more than 800 problems, many based on actual challenges faced by working analysts. Solve real business problems with Excel—and build your competitive advantage:

- Quickly transition from Excel basics to sophisticated analytics
- Use PowerQuery or Get & Transform to connect, combine, and refine data sources
- Leverage Office 365's new Geography and Stock data types and six new functions
- Illuminat...

Contributor Bio

Wayne L. Winston is Professor Emeritus of Decision Sciences at Indiana University's Kelley School of Business, where he won 40+ teaching awards. He developed spreadsheet modeling coursework for Harvard Business School Publishing, and has taught or consulted on using Excel to improve decision-making at Microsoft, Cisco, Morgan Stanley, Pfizer, Verizon, the U.S. Navy, U.S. Army, and many other organ...
Microsoft Excel 365 Formulas and Functions
Paul McFedries

Key Selling Points:

- Quickly create powerful spreadsheets with FlashFill
- Use conditional formatting to instantly reveal anomalies, problems, or opportunities
- Analyze data with standard tables and PivotTables
- Use complex criteria to filter data in lists
- Understand correlations between data
- Perform sophisticated what-if analyses
- Use regression to track trends and make forecasts
- Build loan, investment, and discount formulas
- Validate data, troubleshoot problems, and build more accurate, trustworthy spreadsheets

Master core Excel tools for building powerful, reliable spreadsheets!

- Quickly create powerful spreadsheets with FlashFill
- Use conditional formatting to instantly reveal anomalies, problems, or opportunities
- Analyze your data with standard tables and PivotTables
- Use complex criteria to filter data in lists
- Understand correlations between data
- Perform sophisticated what-if analyses
- Use regression to track trends and make forecasts
- Build loan, investment, and discount formulas
- Validate data, troubleshoot problems, and build more accurate, trustworthy spreadsheets

Summary

Paul McFedries' step-by-step projects walk students through handling key tasks, from building timesheets to projecting cash flow and aging receivables. His practical examples and clear instructions demystify intermediate- to advanced-level formula construction, and help students leverage Excel's most useful functions in your everyday work.

Expert Paul McFedries helps you master key Excel tools for building more powerful spreadsheets.

Use Excel core features to build spreadsheets that solve business problems and deliver reliable answers. Drawing on his unsurpassed experience, Paul McFedries helps you make the most of formulas and functions, including the latest improvements to arrays, formula error handling, and statistics. McFedries' step-by-step projects walk you through handling key tasks, from building timesheets to projecting cash flow and aging receivables. His practical examples and clear instructions demystify intermediate- to advanced-level formula construction, and help you leverage Excel's most useful functions in your everyday work. Becoming an Excel expert has never been easier!

By reading this book, you will:

- Improve business analyses by adding intelligence and knowledge to your models
Microsoft Excel 365 Pivot Table Data Crunching
Bill Jelen

Key Selling Points:
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

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

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...

Renowned Excel expert Bill Jelen (MrExcel) helps you crunch data from any source with Excel pivot tables.

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 valuable improvements in Excel and Excel in Office 365. Drawing on years of Excel experience, Bill Jelen offers practical "recipes" for solving real business problems, helps you avoid common mistakes, and presents tips and tricks you'll find nowhere else.

By reading this book, you will:
Microsoft Excel 365 Inside Out
Bill Jelen

Key Selling Points:
The definitive one-stop Excel for Office 365 resource

- Timesaving solutions
- Troubleshooting tips
- Workarounds
- Timesaving solutions
- Troubleshooting tips
- Workarounds

Summary
Renowned Excel experts Bill Jelen and Paul McFedries offer a complete tour of Excel in Office 365, from efficient interface customizations to advanced analysis, visualizations, and dashboards. Topics include:

- Customizing the Excel workspace
- Best practices for designing and managing worksheets
- Creating f...

Conquer Microsoft Excel -- from the inside out!

Dive into Microsoft Excel -- and really put your spreadsheet expertise to work. This supremely organized reference packs hundreds of timesaving solutions, tips, and workarounds -- all you need to make the most of Excel's most powerful tools for analyzing data and making better decisions.

Renowned Excel experts Bill Jelen and Paul McFedries offer a complete tour of Excel in Office 365, from efficient interface customizations to advanced analysis, visualizations, and dashboards. Discover how experts tackle today's key tasks -- and challenge yourself to new levels of mastery. Topics include:

- Customizing the Excel workspace
- Best practices for designing and managing worksheets
- Creating formulas and functions
- Performing statistical, what-if, and other data analysis
- Core to advanced charting techniques
- Using graphics and sparklines
- Managing databases and tables
- Automating Excel with macros and custom functions
- Collaborating in Excel online, in the cloud, a...

Contributor Bio
Bill Jelen, (Merritt Island, FL) Excel MVP and the host of MrExcel.com, has been using spreadsheets since 1985, and he launched the MrExcel.com website in 1998. Bill was a regular guest on Call for Help with Leo Laporte and has produced more than 2,200 episodes of his daily video podcast, Learn Excel from MrExcel. He is the author of 57 books about Microsoft Excel and writes the monthly Excel colu...
Microsoft Excel 365 Step by Step
Joan Lambert, Curtis Frye

Key Selling Points:

- Easy lessons for essential tasks
- Filled with helpful screen shots
- Skill-building practice files

The smart way to learn Excel -- one step at a time!

- Easy lessons for essential tasks
- Filled with helpful screen shots
- Skill-building practice files

Summary

With *Microsoft Excel 365 Step by Step* students will master the skills they need:

- Quickly set up workbooks, enter data, and format it for easier viewing
- Perform calculations and find and correct errors
- Create sophisticated forecast worksheets, key performance indicators (KPIs), and timelines
- Visualize data with 3D maps, funnel charts, and other powerful tools

The quick way to learn Microsoft Excel!

This is learning made easy. Get more done quickly with Microsoft Excel. Jump in wherever you need answers-brisk lessons and detailed screenshots show you exactly what to do, step by step.

- Quickly set up workbooks, enter data, and format it for easier viewing
- Perform calculations and find and correct errors
- Create sophisticated forecast worksheets, key performance indicators (KPIs), and timelines
- Visualize data with 3D maps, funnel charts, and other powerful tools
- Import, process, summarize, and analyze huge datasets with Excel's improved PowerPivot and Power Query
- Build powerful data models and use them in business intelligence
- Look up just the tasks and lessons you need

Contributor Bio

**Curtis D. Frye** (Portland, OR) is the author or coauthor of multiple books on Microsoft Office, Excel, and Access, as well as the developer of numerous online training courses.
Microsoft Excel 365 VBA and Macros
Bill Jelen, Tracy Syrstad

Key Selling Points:

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

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 explain how to build more powerful, reliable, and efficient Excel spreadsheets.

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 Excel and Excel in Office 365. 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 pivot tables to sum...

Contributor Bio

Bill Jelen, Excel MVP and the host of MrExcel.com, has been using spreadsheets since 1985, and he launched the MrExcel.com website in 1998. Bill was a regular guest on Call for Help with Leo Laporte and has produced more than 2,200 episodes of his daily Learn Excel from MrExcel podcast. Bill is the author of 57 books about Microsoft Excel. FBF 2021: Microsoft Press
**Exam Ref AI-900 Microsoft Azure AI Fundamentals**
Julian Sharp

**Key Selling Points:**
- 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 their skills on the job. It focuses on the specific areas of expertise modern IT professionals need to demonstrate real-world mastery of common machine learning (ML) and artificial intelligence (AI) workloads and how to use them in Azure. Coverage includes:

- AI workloads and considerations
- Fundamental principles of ML on Azure
- Features of computer vision workloads on Azure
- Features of Natural Language Processing (NLP) workloads on Azure
- Features of conversational AI workloads on Azure
- Step-by-step guidance for implementing ML/AI workloads on Azure

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

- Provide guidance from Microsoft, the creator of Microsoft certification...

**Contributor Bio**
**Julian Sharp** (Nottingham, Nottinghamshire, UK) is a solutions architect and Microsoft MVP who has built solutions on the Microsoft stack for 20 years. He currently focuses on combining Microsoft Dynamics 365, Power Platform, Azure, and Azure AI to solve complex business problems, analyze customer data, and automate processes. As a Microsoft Certified Trainer (MCT), he regularly trains students in ...
Exam Ref AZ-104 Microsoft Azure Administrator
Harshul Patel

Key Selling Points:
Prepare for Microsoft’s Exam AZ-104 -- and demonstrate your skills in implementing and deploying Microsoft Azure Infrastructure as a Service (IaaS)

- Authoritative and complete Exam AZ-104 preparation content, straight from Microsoft
- Covers Azure subscriptions, resource management, Azure Storage, Azure Virtual Machines, Virtual Networks, Azure Active Directory identity management, and more
- Includes techniques based on the Azure Portal, PowerShell, and the Command Line Interface (CLI)
- 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 a leading Microsoft expert

Summary
Prepare for Microsoft Exam AZ-104 -- and help demonstrate your real-world mastery of implementing and deploying Microsoft Azure Infrastructure as a Service (IaaS). Designed for experienced cloud professionals ready to advance their status, Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the Microsoft Certified Solutions Associate level.

Prepare for Microsoft Exam AZ-104—and help demonstrate your real-world mastery of Microsoft Azure administration. Designed for working Azure administrators, this Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the Microsoft Certified Solutions Associate level.

Focus on the expertise measured by these objectives:

- Manage Azure identities and governance
- Implement and manage storage
- Deploy and manage Azure compute resources
- Configure and manage virtual networking
- Monitor and back up Azure resources

This Microsoft Exam Ref:
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
Direct from Microsoft, this Exam Ref is the official study guide for the new Microsoft AZ-700 Designing and Implementing Microsoft Azure Networking Solutions certification exam.

Exam Ref AZ-700 Designing and Implementing Microsoft Azure Networking Solutions 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 planning, implementing, and maintaining Azure networking solutions, including hybrid networking, connectivity, routing, security, and private access to Azure services. Learn how to:

- **Design, implement, and manage hybrid networking**: site-to-site and point-to-site VPN connections Azure ExpressRoute
- **Design and implement core networking infrastructure**: VNet private IP addressing, name resolution, cross-VNet connectivity, and Azure Virtual WAN architectures
- **Design and implement routing**: VNet routing, Azure Load Balancer, Azure Application...

Contributor Bio
Charles Pluta (Augusta, GA) is an experienced Microsoft Certified Trainer who has taught on-prem and cloud infrastructure topics for over 8 years. His first certification was the Cisco Certified Network Associate (CCNA), and he has established a deep technical foundation for networking topics in both hybrid and cloud-native environments.
Exam Ref MD-100 Windows 10 (2nd Edition)
Andrew Warren, Andrew Bettany

Key Selling Points:
This Microsoft Exam Ref:

- Provides exam preparation tips written by certified trainers and subject matter experts
- Covers Exam MD-100: Windows 10 and the latest updates
- Brings together the complete exam OD into one place, allowing you to focus on preparing for the MD-100: Windows 10 exam
- Features strategic, what-if scenarios to challenge the exam candidate

Summary
Prepare for the updated version of Microsoft Exam MD-100—and help demonstrate your real-world mastery of skills and knowledge required to deploy, configure, and maintain Windows 10 devices and technologies in an enterprise environment.

- Organizes its coverage by exam objectives
- Features strategic, what-if...

Focus on the expertise measured by these objectives:
- Deploy Windows
- Manage devices and data
- Configure storage and connectivity
- Maintain Windows

This Microsoft Exam Ref:
- Organizes its coverage by exam objectives
- Features strategic, what-if scenarios to challenge you
- Assumes you have experience administering Windows 10 and non-Windows devices and technologies

About the Exam
Exam MD-100 focuses on knowledge needed to install Windows 10; perform post-installation configuration; manage users, groups, and devices; configure devices with local policies; manage Windows security; configure...
Exam Ref MS-100 Microsoft 365 Identity and Services
(2nd Edition)
Orin Thomas

Key Selling Points:
Prepare for Microsoft’s Exam MS-100 -- and demonstrate your skills in designing, implementing, and managing Microsoft 365 services in any environment

- Authoritative and complete Exam MS-100 preparation content, straight from Microsoft
- Covers Microsoft 365 service design/implementation, user identities, roles, access, authentication, and planning workloads 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 a leading Microsoft expert

Summary
Prepare for Microsoft Exam MS-100—and help demonstrate real-world mastery of skills and knowledge needed to effectively design, deploy, manage, and secure Microsoft 365 services.

Focus on the expertise measured by these objectives:
- Design and implement Microsoft 365 services
- Manage user identity and roles

Prepare for Microsoft Exam MS-100 -- and help demonstrate your real-world mastery of skills and knowledge needed to effectively design, deploy, manage, and secure Microsoft 365 services. Designed for experienced IT professionals, Exam Ref focuses on critical thinking and decision-making acumen needed for success at the Microsoft Certified Expert level.

Focus on the expertise measured by these objectives:
- Design and implement Microsoft 365 services
- Manage user identity and roles
- Manage access and authentication
- Plan Microsoft 365 workloads and applications

This Microsoft Exam Ref:
- Organizes its coverage by exam objectives
Exam Ref MD-101 Managing Modern Desktops (2nd Edition)
Andrew Bettany, Andrew Warren

Key Selling Points:

- Provides exam preparation tips written by certified trainers and subject matter experts
- Covers Exam MD-101 Managing Windows Desktops, including all the updates for the current exam
- This book brings together the complete exam OD into one place, allowing students to focus on preparing for the MD-101 exam
- Features strategic, what-if scenarios to challenge students

This Microsoft Exam Ref:

- Provides exam preparation tips written by certified trainers and subject matter experts
- Covers Exam MD-101 Managing Windows Desktops, including all the updates for the current exam
- This book brings together the complete exam OD into one place, allowing the reader to focus on preparing for the MD-101 exam
- Features strategic, what-if scenarios to challenge the exam candidate

Summary

Prepare for Microsoft Exam MD-101—and help demonstrate real-world mastery of skills and knowledge required to manage modern Windows 10 desktops.

Focus on the expertise measured by these objectives:

- Deploy and update operating systems
- Manage policies and profiles
- Manage and protect devices
- Manage apps and data

Prepare for Microsoft Exam MD-101—and help demonstrate your real-world mastery of skills and knowledge required to manage modern Windows 10 desktops. Designed for Windows administrators, 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:

- Deploy and upgrade operating systems
- Manage policies and profiles
- Manage and protect devices
- Manage apps and data

This Microsoft Exam Ref:

- Organizes its coverage by exam objectives
- Features strategic, what-if scenarios to challenge you
- Assumes you have experience deploying, configuring, securing, managing, and monitoring devices and client applications in an enterprise environment

About the Exam
Exam Ref MS-101 Microsoft 365 Mobility and Security

(2nd Edition)
Brian Svidergol, Robert D. Clements, Charles Pluta

Key Selling Points:
Prepare for Microsoft’s Exam MS-101 -- and demonstrate your skills in implementing Microsoft 365 device services, security, threat management, governance, and compliance

- Authoritative and complete Exam MS-101 preparation content, straight from Microsoft
- Covers Mobile Device Management, device compliance, Windows 10 deployment, Cloud App Security, threat management, ATP, security reports/alerts, DLP, Azure Information Protection (AIP), data governance, auditing, eDiscovery, 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 exam preparation tips from leading Microsoft technology experts

Focus on the expertise measured by these objectives:

- Implement modern device services
- Implement Microsoft 365 security a...

Prepare for Microsoft Exam MS-101—and demonstrate your real-world mastery of skills and knowledge needed to implement modern Microsoft 365 device services, security, and threat management; and to manage Microsoft 365 governance and compliance. Designed for experienced IT professionals, Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the Microsoft 365 Certified: Enterprise Administrator Expert level.

Focus on the expertise measured by these objectives:

- Implement modern device services
- Implement Microsoft 365 security and threat management
- Manage Microsoft 365 governance and compliance
Exam Ref SC-200 Microsoft Security Operations Analyst
Yuri Diogenes, Jake Mowrer, Sarah Young

Key Selling Points:
Prepare for Microsoft’s Exam SC-200 -- and demonstrate your mastery of threat mitigation with Microsoft 365 Defender, Azure Defender, and Azure Sentinel

- Authoritative and complete Exam SC-200 preparation content, straight from Microsoft
- Covers threat mitigation with Microsoft 365 Defender, Azure Defender, and Azure Sentinel
- 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: Security Operations Analyst Associate exam preparation tips from leading Microsoft experts

Summary
Prepare for Microsoft Exam SC-200—and help demonstrate your real-world mastery of skills and knowledge required to work with stakeholders to secure IT systems, and to rapidly remediate active attacks. Designed for Windows administrators, 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:
- Mitigate threats using Microsoft 365 Defender
- Mitigate threats using Azure Defender
- Mitigate threats using Azure Sentinel

This Microsoft Exam Ref:
- Organizes its coverage by exam objectives
- Features strategic, what-if scenarios to challenge you
- Assumes you have experience with threat management, monitoring, and/or response in Microsoft 365 environments

About the Exam
Exam SC-200 focuses on knowledge needed to detect, investigate, respond, and remediate threats to productivity, endpoints, identity, and applications; design and configure Azure Defender implementations; plan and us...

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; 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 Senior Content Developer at Microsoft for Azure Security Centre...
Exam Ref MS-700 Managing Microsoft Teams

Ed Fisher

Key Selling Points:

- Authoritative and complete Exam MS-700 preparation content, straight from Microsoft
- Covers planning and configuring Microsoft Teams environments; managing chat, calling, and meetings; and managing Teams and app policies
- Organized by exam objectives for efficient study
- Strategic, what-if scenarios aid in mastery of the big-picture thinking the exam demands
- Contains up-to-date Microsoft 365 Certified: Teams Administrator Associate exam preparation tips from a leading expert in Microsoft collaboration technology
- For experienced Office 365 and Microsoft Teams users ready to advance their status

Prepare for Exam MS-700 -- and demonstrate your real-world mastery of configuring, deploying, and managing Office 365 workloads for Microsoft Teams

- Authoritative and complete Exam MS-700 preparation content, straight from Microsoft
- Covers planning and configuring Microsoft Teams environments; managing chat, calling, and meetings; and managing Teams and app policies
- 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 365 Certified: Teams Administrator Associate exam preparation tips from a leading expert in Microsoft collaboration technology
- For experienced Office 365 and Microsoft Teams professionals ready to advance their status

Summary

Exam Ref MS-700 Managing Microsoft Teams focuses on helping candidates demonstrate real-world mastery of configuring, deploying, and managing Office 365 workloads for Microsoft Teams to improve collaboration and communication in enterprise environments. Learn how to:

- Plan and configure Teams environment...

Prepare for Microsoft Exam MS-700—demonstrate your real-world knowledge of Microsoft Teams planning, deployment, configuration, management, security, troubleshooting, and more. Designed for professionals with Microsoft Teams experience, this Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the Microsoft 365 Certified: Teams Administrator Associate level.

Focus on the expertise measured by these objectives:

- Plan and configure a Microsoft Teams environment
- Manage chat, teams, channels, and apps
- Manage calling and meetings
- Monitor and troubleshoot a Microsoft Teams environment
Exam Ref SC-900 Microsoft Security, Compliance, and Identity Fundamentals
Yuri Diogenes, Nicholas DiCola, Kevin McKinnerney, Mark Morowczynski

Key Selling Points:
Prepare for Microsoft’s Exam SC-900 -- and demonstrate your foundational knowledge of Microsoft Azure / Microsoft 365 security, compliance, and identity solutions

- Authoritative and complete Exam SC-900 preparation content, straight from Microsoft
- Covers security, compliance, and identity concepts; Microsoft identity and access management solution capabilities; and the capabilities of Microsoft security solutions
- 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: Security, Compliance, and Identity Fundamentals exam preparation tips from leading Microsoft experts

Summary
Direct from Microsoft, this Exam Ref is the official study guide for the new Microsoft SC-900 Microsoft Security Fundamentals certification exam.

Exam Ref SC-900 Microsoft Security Fundamentals offers professional-level preparation that helps candidates maximize their exam performance and sharpen their skills on the job. It focuses on the specific areas of expertise modern IT professionals need to demonstrate real-world mastery of how Microsoft Azure and Microsoft 365 security, compliance, and identity solutions can provide holistic, end-to-end solutions. You’ll learn how to describe:

- Concepts of security, compliance, and identity
- Capabilities of Microsoft identity and access management solutions
- Capabilities of Microsoft security solutions
- Capabilities of Microsoft compliance solutions

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

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

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; 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 Senior Content Developer at Microsoft for Azure Security Centre...
The Adobe Photoshop Lightroom Classic Book (3rd Edition)
Scott Kelby

Key Selling Points:

- Scott Kelby, the #1 bestselling photography techniques book author, takes on the new version of Adobe Photoshop Lightroom.
- Students will learn all there is to know about organizing, correcting, printing, and showing their digital images using Lightroom.
- Uses Scott's same award-winning, step-by-step, plain-English style and layout to make learning Lightroom easy and fun for students.

The #1 book on Lightroom is back! Scott Kelby shows digital photographers how to unlock the amazing power of Adobe Photoshop Lightroom and start using it like a pro!

- Scott Kelby, the #1 bestselling photography techniques book author, takes on the new version of Adobe Photoshop Lightroom.
- Users will learn all there is to know about organizing, correcting, printing, and showing their digital images using Lightroom.
- Uses Scott's same award-winning, step-by-step, plain-English style and layout to make learning Lightroom easy and fun.

Summary

Since Lightroom first launched 15 years ago, Scott Kelby’s The Adobe Photoshop Lightroom Book has been the world's #1 top-selling Lightroom book (it has been translated into dozens of different languages), and in this latest version for Lightroom Classic, Scott did his biggest update ever, sharing all his latest techniques, insights, and invaluable tips using his award-winning, step-by-step, plain-English style that makes learning Lightroom easy and fun.

Scott doesn’t just show you which sliders do what (every Lightroom book does that, right?). Instead, he shares his own personal settings, his time-tested techniques, and his proven step-by-step method of learning Lightroom, so you can begin using it like a pro from the start.

Each year, he trains thousands of Lightroom users at his live seminars and through his blog at LightroomKillerTips.com, and he has learned first-hand what really works and what doesn't. He tells you flat-out which techniques work best, which ones to avoid, and why. ...

Contributor Bio

Scott Kelby (Oldsmar, FL) is Editor-in-Chief of Photoshop User magazine, President of the National Association of Photoshop Professionals (NAPP), Training Director for the Adobe Photoshop Seminar Tour, and one of the leading seminar instructors in the industry today. Scott is author of the best-selling books The Adobe Photoshop Lightroom 4 Book for Digital Photographers, Photoshop Down & Dirty Tr...
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. He is digital post-production specialist and adjunct professor at the Newhouse School for Visu...
AutoCAD for Interior Design and Space Planning
Beverly L. Kirkpatrick BFA, NCIDQ, Adjunct Faculty, James M. Kirkpatrick, Hossein Assadipour

Key Selling Points:
Master AutoCAD 2022 and make the most of it in interior design, architecture, and space planning

- Thoroughly updated to reflect the new AutoCAD 2022 interface and feature innovations, with numerous illustrations throughout
- Guides you step-by-step from basic commands to complex drawing exercises
- Provides 100+ hands-on exercises and projects to help you build your expertise
- Includes several new projects ideal for interior design, space planning, and architecture students

Summary
AutoCAD 2021 for Interior Design and Space Planning teaches the commands and features of AutoCAD 2021 and demonstrates how to make the most of these powerful tools to complete any interior design or space planning project. Covering both two- and three-dimensional drawings, it provides abundant exercises that walk learners step-by-step through the use of AutoCAD prompts and commands. Using numerous, up-to-date illustrations, the authors don’t just capture the essence of this powerful program; they help students thoroughly understand its role in professional interior design, architecture, and space planning. This fully-updated guide:
- Covers the new AutoCAD 2022 interface
- Progresses from basic commands to complex drawing exercises
- Provides over 100 exercises and projects
- Introduces several new projects appropriate for interior design, space planning, and architecture students

Contributor Bio
Beverly Kirkpatrick (Port St. Lucie, FL) has worked with AutoCAD in interior design and education for more than 30 years. She has been employed to develop interior designs, space plans, and finish schedules for commercial projects such as elementary schools, banks, hospitals, churches, and car dealerships. Her titles have included Interior Designer, Project Manager and Design Director, and she has...
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 Chad Chelius, Adobe Certified Instructor, author, consultant, conference speaker, and creator of many of the world's leading Adobe training videos

Summary
For decades, digital artists and graphic designers have turned to Adobe Illustrator: Visual QuickStart Guide as the fastest, most practical way to create vector-based artwork from scratch, and harness Illustrator's immense power to get the job done as efficiently as possible. Now, this full-color guide has been thoroughly revamped by a new author who specializes in teaching beginning Illustrator users. Chad Chelius combines expert, full-color introductions to the latest Illustrator features with new examples and projects, adding 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, Chelius helps aspiring and current professionals gain deep mastery of Illustrator, whether they're working on their own or in a classroom environment. From the basics to advanced techniques, he gets you up and running in no time, preparing you to create everything from web and mobile graphics to sca...

Contributor Bio
Lisa Fridsma has long loved the process of teaching others to use Adobe products. She has helped create more than thirty books in the Classroom in a Book series over the last two decades (including books on Photoshop, After Effects, and Acrobat), going back to her time on-staff at Adobe. She's currently the owner of Darlington Hill Productions which provides production, design, illustration, and w...
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. An Adobe Community Pr...
CompTIA Network+ N10-008 Exam Cram (7th Edition)
Emmett Dulaney

Key Selling Points:
The smartest, fastest, most effective preparation for CompTIA's brand-new Network+ Exam

- Covers all the critical information that a reader will need to know to score higher on their Network+ N10-008 exam
- 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 two practice exams
- Written by an author and professor with material that is classroom-proven

Introduction
Covers all the critical information that a reader will need to know to score higher on their Network+ N10-008 exam

- 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 two practice exams
- Written by an author and professor with material that is classroom-proven

Summary
CompTIA® Network+ N10-008 Exam Cram, Seventh Edition is the perfect study guide to help students pass CompTIA's Network+ N10-008 exam. It provides coverage and practice questions for every exam topic, including substantial new coverage. The book presents readers with an organized test-preparation rou...

CompTIA Network+ N10-008 Exam Cram is an all-inclusive study guide designed to help you pass the updated version of the CompTIA Network+ 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, Exam Alerts, and our essential last-minute review Cram Sheet. The powerful Pearson Test Prep practice software provides real-time assessment and feedback with two complete exams.

Covers the critical information needed to score higher on your Network+ N10-008 exam!

* Establish network connectivity by deploying wired and wireless devices
* Understand and maintain network documentation
* Understand the purpose of network services
* Understand basic datacenter, cloud, and virtual networking concepts
* Monitor network activity, identifying performance and availability issues
* Implement network hardening techniques
* Manage, configure, and troubleshoot network infrastructure

Prepare for your ex...

Contributor Bio
Emmett Dulaney (CompTIA Network+, Cloud+, Security+, A+, and others) has been the author of several books on certifications and operating systems over the past 20.
Omar Santos, Ron Taylor, Joseph Mlodzianowski

Key Selling Points:
- Case studies and hands-on video exercises in each chapter
- Three full practice tests based on the real Security+ exam
- New! Video explanations of all answers in practice tests
- Memory tables, study strategies, tips, cautions, key terms, troubleshooting scenarios, last-minute review tearsheet, and more

The ultimate core self-study guide for the latest CompTIA Security+ exam: the most comprehensive print and video reference available!

- Case studies and hands-on video exercises in each chapter
- Three full practice tests based on the real Security+ exam
- New! Video explanations of all answers in practice tests
- Memory tables, study strategies, tips, cautions, key terms, troubleshooting scenarios, last-minute review tearsheet, and more

Summary
CompTIA Security+ SY0-601 Cert Guide shares 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...

Learn, prepare, and practice for CompTIA Security+ SY0-601 exam success with this CompTIA Security+ SY0-601 Cert Guide from Pearson IT Certification, a leader in IT certification learning.

CompTIA Security+ SY0-601 Cert Guide presents you with an organized test preparation routine through the use of proven series elements and techniques. “Do I Know This Already?” quizzes open each chapter and enable 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.

CompTIA Security+ SY0-601 Cert Guide focuses specifically on the objectives for the CompTIA Security+ SY0-601 exam. Leading security experts Omar Santos, Ron Taylor, and Joseph Mlodzianowski 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 increa...

Contributor Bio
Omar Santos is an active member of the cybersecurity community, where he leads several industry-wide initiatives. He is a best-selling author and trainer. Omar is the author of more than 20 books and video courses, as well as numerous white papers, articles, and security configuration guidelines and best practices. Omar is a principal engineer of the Cisco Product Security Incident Response Team (...
CompTIA Network+ N10-008 Cert Guide
Anthony J. Sequeira

Key Selling Points:

- Assess students' knowledge and focus with the unique Cert Guide series features
- Master every topic on the latest Network+ exam
- Benefit from tools designed to help you remember the most important exam details
- Learn from an expert instructor with about 60 minutes of instructional video
- Get the practical workplace knowledge needed to succeed beyond the exam with hands-on simulation exercises
- Includes a 10% exam voucher from CompTIA

Fully updated study guide for the new Network+ exam

- Assess your knowledge and focus learning with the unique Cert Guide series features
- Master every topic on the latest Network+ exam
- Benefit from tools designed to help you remember the most important exam details
- Learn from an expert instructor with about 60 minutes of instructional video
- Get the practical workplace knowledge needed to succeed beyond the exam with hands-on simulation exercises
- Includes a 10% exam voucher from CompTIA

Summary

CompTIA Network+ N10-008 Cert Guide contains proven study features that enable students to succeed on the exam the first time. Best-selling author and expert instructor Anthony Sequeira shares preparation hints and test-taking tips, helping students identify areas of weakness and improve both their ...

CompTIA Network+ N10-008 Cert Guide, Premium Edition eBook and Practice Test

The exciting new CompTIA Network+ N10-008 Cert Guide, Premium Edition eBook and Practice Test is a digital-only certification preparation product combining an eBook with enhanced Pearson Test Prep practice test software. The Premium Edition eBook and Practice Test contains the following items:

- The CompTIA Network+ N10-008 Premium Edition Practice Test, including four full practice exams and enhanced practice test features
- PDF, EPUB, and Mobi/Kindle formats of CompTIA Network+ N10-008 Cert Guide, which are accessible via your PC, tablet, and Smartphone

About the Premium Edition Practice Test

This Premium Edition contains an enhanced version of the Pearson Test Prep practice test software with four full practice exams. In addition, it contains all the chapter-opening assessment questions from the book. This integrated learning package:
CompTIA Network+ N10-008 Cert Guide, Deluxe Edition
Anthony J. Sequeira, Michael D. Taylor

Key Selling Points:

- Assess students' knowledge and focus with the unique Cert Guide series features
- Master every topic on the latest Network+ exam
- Benefit from tools designed to help you remember the most important exam details
- Learn from an expert instructor with about 60 minutes of instructional video
- Get the practical workplace knowledge needed to succeed beyond the exam with hands-on simulation exercises
- Includes a 10% exam voucher from CompTIA

Fully updated study guide for the new Network+ exam

- Assess your knowledge and focus learning with the unique Cert Guide series features
- Master every topic on the latest Network+ exam
- Benefit from tools designed to help you remember the most important exam details
- Learn from an expert instructor with about 60 minutes of instructional video
- Get the practical workplace knowledge needed to succeed beyond the exam with hands-on simulation exercises
- Includes a 10% exam voucher from CompTIA

Summary

CompTIA Network+ N10-008 Cert Guide contains proven study features that enable students to succeed on the exam the first time. Best-selling author and expert instructor Anthony Sequeira shares preparation hints and test-taking tips, helping students identify areas of weakness and improve both their ...

Trust the best-selling Cert Guide series from Pearson IT Certification 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.


- Master CompTIA Network+ N10-008 exam topics
- Assess your knowledge with chapter-ending quizzes
- Review key concepts with exam preparation tasks
- Practice with realistic exam questions in the practice test software

CompTIA Network+ N10-008 Cert Guide, Deluxe Edition contains proven study features that enable students to succeed on the exam the first time. Best-selling author and expert instructor Anthony Sequeira shares preparation hints and test-taking tips, helping students identify areas of weakness and improve both their ...
Jeffrey S. Beasley, Piyasat Nilkaew

Key Selling Points:
A practical introduction to networking basics

- Provides a practical approach to introductory networking concepts
- Presents tons of hands-on activities to help students learn by doing
- Clearly outlines goals for each chapter with chapter-opening objectives and introductions
- Highlights key terms and acronyms in the margins to enhance retention of networking terminology
- Guides readers through application of concepts through configuring, analyzing, and troubleshooting sections
- Includes extensive problem sets, summaries, questions, and problems (including critical thinking questions) at the end of each chapter to assess learning
- Allows students to practice custom-designed, hands-on router and switch configuration exercises with the Net-Challenge software
- Updated for the new CompTIA Network+ N10-008 exam

- Provides a practical approach to introductory networking concepts
- Presents tons of hands-on activities to help students learn by doing
- Clearly outlines goals for each chapter with chapter-opening objectives and introductions
- Highlights key terms and acronyms in the margins to enhance retention of networking terminology
- Guides readers through application of concepts through configuring, analyzing, and troubleshooting sections
- Includes extensive problem sets, summaries, questions, and problems (including critical thinking questions) at the end of each chapter to assess learning
- Allows students to practice custom-designed, hands-on router and switch configuration exercises with the Net-Challenge software
- The companion web site features labs, Wireshark captures, and chapter quizzes
- Updated for the new CompTIA Network+ N10-008 exam

Summary
Networking Essentials, Sixth Edition guides students from an entry-level knowledge in computer networks to advanced concepts in Ethernet and TCP/IP networks; routing protocols and router configuration; local, campus, and wide area network configuration; network security; wireless networking; optical...

Thoroughly updated to reflect the CompTIA® Network+ N10-008 exam, Networking Essentials, Sixth Edition is a practical, up-to-date, and hands-on guide to the basics of networking. Written from the viewpoint of a working network administrator, it requires absolutely no experience with either network concepts or day-to-day network management.

Networking Essentials, Sixth Edition guides readers from an entry-level knowledge in computer networks to advanced concepts in Ethernet networks; router configuration; TCP/IP networks; routing protocols; local, campus, and wide area network configuration; network security; wireless networking; optical networks; Voice over IP; the network server; and Linux networking. This edition reflects the latest exam topics and objectives associated with network security and hardening, cloud networking,
CompTIA Cloud+ CV0-003 Exam Cram
William Rothwell

Key Selling Points:

- Covers all the critical information students need to know to score higher on the updated Cloud+ exam
- Addresses all exam objectives: cloud architecture and design, security, deployment, operations and support, and troubleshooting
- Designed to help students rapidly assess where they stand, and quickly master what they need to learn
- Includes test-taking strategies, time-saving tips, Exam Notes, and two full practice exams

Get the smartest, fastest, most effective preparation for the latest CompTIA Cloud+ Exam (CV0-003)

- Covers all the critical information you need to know to score higher on the updated Cloud+ exam
- Addresses all exam objectives: cloud architecture and design, security, deployment, operations and support, and troubleshooting
- Designed to help you rapidly assess where you stand, and quickly master what you need to learn
- Includes test-taking strategies, time-saving tips, Exam Notes, and two full practice exams

Summary

Using the proven Exam Cram method of study, CompTIA Cloud+ CV0-003 Exam Cram offers comprehensive foundational learning for cloud architecture, design, security, deployment, operations, support, and troubleshooting, with every chapter mapped directly to the exam objectives.

Extensive preparation tool...

CompTIA Cloud+ CV0-003 Exam Cram is the perfect study guide to help you score higher on the new Cloud+ exam. Using the proven Exam Cram method of study, it offers comprehensive foundational learning for cloud architecture, design, security, deployment, operations, support, and troubleshooting, with every chapter mapped directly to the exam objectives.

Extensive preparation tools include topic overviews, exam alerts, CramSavers, CramQuizzes, chapter-ending review questions, author notes and tips, and an extensive glossary. The handy Cram Sheet tear-out brings together tips, acronyms, and memory joggers not available anywhere else -- perfect for last-minute study.

The powerful Pearson Test Prep practice test software offers an extensive collection of exam-realistic practice questions, with many customization and reporting features: test yourself in study mode, practice exam mode, or flash card mode. The companion website also provides access to several digital assets including the Gloss...

Contributor Bio

William (Bo) Rothwell (Greater San Diego Area, CA), is Lead Instructor, Courseware
CompTIA PenTest+ PT0-002 Cert Guide (2nd Edition)
Omar Santos

Key Selling Points:
Comprehensive assessment, review, and practice for the new CompTIA PenTest+ exam

- In-depth, expert explanations of all attacks, countermeasures, and techniques covered on the PenTest+ exam
- Practice with hundreds of challenging practice questions delivered through Pearson's state-of-the-art PCPT testing engine
- Build and deepen your knowledge with popular Cert Guide features such as Memory Tables and Exam Alerts

Summary
Learn, prepare, and practice for CompTIA PenTest+ PT0-002 exam success with this CompTIA Approved Cert Guide from Pearson IT Certification, a leader in IT Certification.

- Master CompTIA PenTest+ PT0-002 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 Pentest+ Cert Guide presents the material in a concise manner, focusing on increasing your understanding and retention of exam topics. Best-selling author Omar Santos and leading IT security expert Ron Taylor share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills.

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 ...

Contributor Bio
Omar Santos (Raleigh, NC) is an active member of the cybersecurity community, where he leads several industry-wide initiatives. He is the lead of the DEF CON Red Team Village; the chair of the Common Security Advisory Framework (CSAF) technical committee; the co-chair of the Forum of Incident Response and Security Teams (FIRST) Open Source Security working group; and has been the chair of several ...
Certified Ethical Hacker (CEH) Exam Cram
William Chuck Easttom II

Key Selling Points:

Get the smartest, fastest, most effective preparation for the latest EC-Council Certified Ethical Hacker Exam (v11)

- Covers all the critical information you need to know to score higher on the updated CEH exam
- Addresses all exam objectives associated with ethical hacking and penetration testing
- Assumes no prior knowledge: readers without experience can obtain the real-world knowledge to succeed
- Designed to help you rapidly assess where you stand, and quickly master what you need to learn
- Includes test-taking strategies, time-saving tips, Exam Notes, and two full practice exams

- Covers all the critical information students need to know to score higher on the updated CEH exam
- Addresses all exam objectives associated with ethical hacking and penetration testing
- Assumes no prior knowledge: those without experience can obtain the real-world knowledge to succeed
- Designed to help students rapidly assess where they stand, and quickly master what they need to learn
- Includes test-taking strategies, time-saving tips, Exam Notes, and two full practice exams

Summary

Chuck Easttom assumes no prior knowledge: students will little or no experience in ethical hacking and penetration testing can obtain the knowledge they need to take and pass the exam. He thoroughly covers every CEH v11 topic, including:

- Reconnaissance and scanning
- Enumeration and vulnerability scanning

CEH v11 Certified Ethical Hacker Exam Cram is the perfect study guide to help you score higher on the updated EC-Council CEH v11 exam. Using the proven Exam Cram method of study, it offers comprehensive foundational learning for all facets of ethical hacking and penetration testing.

Chuck Easttom’s expert real-world approach reflects both his expertise as one of the leading cybersecurity practitioners and instructors in the world, as well as test-taking insights he has gained from teaching CEH preparation courses worldwide, including courses taught directly for EC-Council. Easttom assumes no prior knowledge: readers will little or no experience in ethical hacking and penetration testing can obtain the knowledge they need to take and pass the exam. He thoroughly covers every CEH v11 topic, including:

- Reconnaissance and scanning
- Enumeration and vulnerability scanning
Omar Santos, Michael Gregg

Key Selling Points:
- Master CEH v11 exam topics
- Assess knowledge with chapter-ending quizzes
- Review key concepts with exam preparation tasks
- Practice with realistic exam questions on the practice test engine

Master all the topics you need to know to succeed on the latest Certified Ethical Hacker exam and advance your career in IT security
- Master CEH v11 exam topics
- Assess your knowledge with chapter-ending quizzes
- Review key concepts with exam preparation tasks
- Practice with realistic exam questions on the practice test engine

Summary
Every feature of this book supports both efficient exam preparation and long-term mastery:
- Opening Topics Lists identify the topics students need to learn in each chapter and list EC-Council’s official exam objectives
- Key Topics figures, tables, and lists call attention to the information that is most...

This book is a complete guide to prepare for the CEH Certified Ethical Hacker certification exam.

Leading experts Michael Gregg and Omar Santos help you master all the topics you need to know to succeed on your Certified Ethical Hacker Version 11 exam and advance your career in IT security. The authors’ concise, focused approach explains every exam objective from a real-world perspective, helping you quickly identify weaknesses and retain everything you need to know.

Every feature of this book supports both efficient exam preparation and long-term mastery:
- Opening Topics Lists identify the topics you need to learn in each chapter and list EC-Council’s official exam objectives
- Key Topics figures, tables, and lists call attention to the information that is most crucial for exam success
- Exam Preparation Tasks enable you to review key topics, define key terms, work through scenarios, and answer review questions...going beyond mere facts to master the concepts that are crucial to passing the exam...

Contributor Bio
Michael Gregg (CISSP, SSCP, CISA, MCSE, MCT, CTT+, A+, N+, Security+, CCNA, CASP, CISA, CISM, CEH, CHFI, and GSEC; Houston, TX Area) directs the cyber security operations for a multinational organization that operates facilities worldwide. As the CISO, Michael is responsible for securing the organization's assets on a global scale.
AWS Certified SysOps Administrator - Associate (SOA-C02) Exam Cram
Marko Sluga

Key Selling Points:

The smartest, fastest, most effective preparation for the AWS Certified SysOps Administrator - Associate (SOA-C02) exam!

- Covers all the critical information you need to score higher on your SOA-C02 exam
- Addresses monitoring, logging, reliability, continuity, deployment, provisioning, automation, security, compliance, networking, content delivery, optimization, and more
- Designed to help you rapidly assess where you stand, and quickly master what you need to learn
- Includes two realistic practice exams, plus test-taking strategies, time-saving tips, Exam Notes, last-minute Cram Sheet, and other proven features for efficient review
- Covers one of the three most popular AWS certifications

Summary

AWS Certified SysOps Administrator - Associate (SOA-C02) Exam Cram is the perfect study guide to help you score higher on Amazon’s new SOA-C02 exam. Using the proven Exam Cram method of study, it offers complete foundational learning for deploying, managing, securing, and optimizing AWS workloads, and solving real-world problems. Every chapter is mapped directly to official exam objectives, including:

- Monitoring, logging, and remediation
- Reliability and business continuity
- Deployment, provisioning, and automation
- Security and compliance
- Networking and content delivery
- Cost and performance optimization

Extensive preparation tools include topic overviews, exam alerts, CramSavers, CramQuizzes, chapter-ending review questions, author notes and tips, and an extensive glossary. The handy Cram Sheet tear-out brings together tips, acronyms, and memory joggers not available anywhere else—perfect for last-minute study.

Powerful Pearson Test Prep practice test software offers an extensive collection of ex...

Contributor Bio

Marko Sluga (Niagara on the Lake, Ontario, Canada) has worked on a wide variety of cloud-related projects, from the earliest SOC, virtualization, and open-source API offerings to modern, fully automated, intelligent, serverless, and cloud-native solutions. He has worked with Amazon Web Services (AWS) since the early 2010s, and holds eight AWS certifications. He currently trains and advises on clou...
CCNP and CCIE Enterprise Core ENCOR 350-401 Exam Cram
Donald Bacha

Key Selling Points:

- Covers every exam objective, including dual stack (IPv4 and IPv6) architecture, virtualization, infrastructure, network assurance, security and automation
- Contains extensive proven Exam Cram prep tools for self-assessment, focused study, and efficient review
- Includes the powerful, customizable Pearson IT Certification Practice Test software, with hundreds of exam-realistic practice questions, and three flexible modes of preparation

Smart, fast, effective preparation for the new Cisco CCNP and CCIE Enterprise Core 350-401 (ENCOR) exam!

- Covers every exam objective, including dual stack (IPv4 and IPv6) architecture, virtualization, infrastructure, network assurance, security and automation
- Contains extensive proven Exam Cram prep tools for self-assessment, focused study, and efficient review
- Includes the powerful, customizable Pearson IT Certification Practice Test software, with hundreds of exam-realistic practice questions, and three flexible modes of preparation

Summary

CCNP and CCIE Enterprise Core ENCOR 350-401 Exam Cram delivers expert coverage and practice questions for every exam topic, including implementation of core enterprise network technologies involving dual stack (IPv4 and IPv6) architecture, virtualization, infrastructure, network assurance, security ...
CompTIA Advanced Security Practitioner (CASP+)
CAS-004 Cert Guide (3rd Edition)
Robin Abernathy, Troy McMillan

Key Selling Points:
The most complete and effective preparation for today's tough new CASP+ exam!

- Test-taking strategies, tips, notes, and two full sample exams delivered by the advanced Pearson Test Prep practice test software with online and offline access
- The authors understand IT certification and have years of experience preparing students to take exams
- This book will be concise and written to the latest CASP+ exam from CompTIA
- This book will help IT Security Professionals focus their knowledge so that they can obtain the certification to support their experience

Summary
Learn, prepare, and practice for CompTIA Advanced Security Practitioner (CASP) CAS-004 exam success with this CompTIA Approved Cert Guide from Pearson IT Certification, a leader in IT Certification learning and a CompTIA Authorized Platinum Partner.

- Master CompTIA Advanced Security Practitioner (CASP) CAS-004 exam topics
- Assess your knowledge with chapter-ending quizzes
- Review key concepts with exam preparation tasks
- Practice with unique sets of exam-realistic practice questions

CompTIA Advanced Security Practitioner (CASP) CAS-004 Cert Guide is a leading exam study guide. Leading security certification training 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.

The book presents you with an organized test preparation routine through the use...

Contributor Bio
Robin Abernathy (Lincoln, AL) earned her first IT certification in 1999 and has obtained many certifications since then, including the A+, Network+, Security+, Project+, CompTIA Advanced Security Practitioner (CASP+), Microsoft Certified Professional (MCP), Microsoft Certified Systems Administrator (MCSA), and Microsoft Certified System Engineer (MCSE). She is currently a senior content manager fo...
C++20 for Programmers (3rd Edition)
Paul Deitel, Harvey Deitel

Key Selling Points:

- 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

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...
Basic Principles and Calculations in Chemical Engineering (9th Edition)
David M. Himmelblau, James B. Riggs

Key Selling Points:
The best-selling introductory chemical engineering guide - now thoroughly revised with new and more relevant examples

- Reorganized and modernized throughout, with new chapters on dynamic material/energy balances and Psychrometric Charts
- Contains many new examples related to biotechnology, nanotechnology and process safety
- New MATLAB and Python problems throughout, plus more color plates and updated graphics
- Part of Pearson's renowned International Series in the Physical and Chemical Engineering Sciences (the "Yellow Books")

Summary
This best-selling introductory chemical engineering guide has been thoroughly revised, streamlined, and updated to reflect today's sweeping changes in chemical engineering curricula. It contains extensive new coverage and examples related to biotechnology, nanotechnology, green/environmental engineering, and process safety, as well as many new MATLAB and Python problems throughout.

Like previous editions, Basic Principles and Calculations in Chemical Engineering, 9th Edition offers a strong foundation of skills and knowledge for successful study and practice, guiding students through formulating and solving material and energy balance problems, as well as describing gases, liquids, and vapors. Throughout, it introduces efficient, consistent, student-friendly methods for solving problems, analyzing data, and gaining a conceptual, application-based understanding of modern chemical engineering processes.

Coverage in previous editions has been condensed and streamlined to serve today's stu...

Contributor Bio
David M. Himmelblau was American Petrofina Foundation Centennial Professor in Chemical Engineering at the University of Texas, Austin. The author of sixteen books, his areas of research included the use of artificial neural networks for fault diagnosis and data rectification.

James B. Riggs (Lubbock, TX area), Professor in the Chemical Engineering Department at Texas Tech University, directs the T...
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.

B. Wayne Bequette systematically introduces undergraduate chemical and biological engineering students to the essentials of process modeling, dynamics and control,
My iPad for Seniors (Covers all iPads running iPadOS 15) (9th Edition)
Michael Miller

Key Selling Points:
My iPad for Seniors provides expert advice and easy to follow, full-color tasks with ample visuals!

- Based off the best-selling iPad book
- Full color, task-based tutorial
- Includes all of the most commonly used functions
- Provides tips and tricks for using the iPad with specific attention to apps that seniors find useful

Summary
Easy, clear, readable, and focused on what you want to do. Full-color, step-by-step tasks walk you through getting and keeping your iPad working just the way you want.

Learn how to

- Discover all the new features of your iPad
- Wirelessly connect to and browse the Internet, at home or away
- Personalize the way your iPad looks and works—including Dark Mode
- Make your iPad easier to use if you have trouble seeing or tapping the screen
- Use Siri voice commands to control your iPad and find useful information
- Communicate with friends and family via email, text messaging, and FaceTime and Zoom video chats
- Shoot, share, and view photos and videos
- Listen to streaming music and watch streaming movies and TV shows online
- Connect and use the Apple Pencil, external keyboards, trackpads, and mice
- Use iCloud to store and share your photos and other important data online
- Troubleshoot common iPad problems

Contributor Bio
Michael Miller (Burnsville, MN) is the popular and prolific writer of more than 200 non-fiction books, 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 include My TV for Seniors, My iPhone for Seniors, My Facebook for Seniors, My Social Media for Seniors, My Internet f...
My iPhone for Seniors (covers all iPhone running iOS 15, including the new series 13 family) (8th Edition)
Brad Miser

Key Selling Points:
A visually rich, task-based companion to help Seniors learn their iPhone

- Based off the best-selling iPhone book
- Full color, task-based tutorial
- Includes all of the most commonly used functions and uses clear illustrations with call-outs to walk readers through each task
- Provides tips and tricks for seniors to get them comfortable with their phone and to start using it in ways they might not have known possible

Summary
Easy, clear, readable, and focused on what you want to do.

Step-by-step instructions for the tasks you care about most.

Large, full-color, close-up photos with callouts to iPhone photos that show you exactly what to do.

Common-sense help when you run into iPhone problems or limitations.

Tips and notes to help you get the most from your iPhone.

Full-color, step-by-step tasks walk you through getting and keeping your iPhone working just the way you want. The tasks include how to:

- Connect to the Internet, Bluetooth devices, Wi-Fi networks, and other iPhones and iPads; take advantage of AirDrop to instantly share with iPhone, iPad and Mac users
- Use Siri to get information, write texts and emails, set reminders/appointments, and more-just by speaking to your iPhone
- Customize your iPhone with folders, widgets, wallpaper, ringtones, and much more
- Use iCloud, Google, and other cloud services to have consistent calendar, contact, and other information on all your devices
- Communicate via phone calls, Face...

Contributor Bio
Brad Miser has written extensively about technology, with his favorite topic being the iPhone, that makes it possible to take our lives with us while we are on the move. He has been an author, development editor, or technical editor for more than 60 titles. Brad is or has been the manager of a team of sales engineers and proposal writers, a principal sales engineer, the director of product and cus...
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. 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!

Who knew how simple project management could be?

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! Here’s a small sample of what you’ll learn:

- Master the key skills and qualities every project manager needs
- Lead projects, don’t just “manage” them
- Avoid 15 most common mistakes new project managers make
- Learn from troubled, successful, and “recovered” projects
- Set the stage for success by effectively defining your project
- Build a usable project plan and an accurate work brea...

Contributor Bio

Gregory M. Horine is a certified (PMP, CCP, CSM, Six Sigma Green Belt) business technology and IT project management professional with more than 31 years of successful results across multiple industries using servant leadership principles and a focused customer-orientation. He has been consistently recognized for excellence in "people" management, leadership maturity, communication skills, problem...
Unity Game Development in 24 Hours, Sams Teach Yourself (4th Edition)
Mike Geig

Key Selling Points:
The complete beginner's guide to Do-It-Yourself game development with the powerful Unity game engine!

- Completely updated for the latest version of Unity
- Coverage of Timeline Sequences, 2D World Creation, Full Game Creation
- Teaches through hands-on projects, with strong visual elements complementing Unity's drag-and-drop approach
- The complete beginner's guide to Do-It-Yourself game development with the powerful Unity game engine!
- Completely updated for the latest version of Unity
- Coverage on Timeline Sequences, 2D World Creation, Full Game Creation
- Teaches through hands-on projects, with strong visual elements complementing Unity's drag-and-drop approach

Summary
In just 24 hours, readers will learn how to get started developing games with Unity. The approach is hands-on and modular. Each chapter covers an essential component of the game development process. Topics are illustrated with sample projects. The book also concludes with a complete game project.

In just 24 lessons of one hour or less, Sams Teach Yourself Unity Game Development in 24 Hours will help you master the Unity 2021 game engine at the heart of Inside, Kerbal Space Program, Subnautica, and many other sizzling-hot games! This book's straightforward, step-by-step approach teaches you everything from the absolute basics through sophisticated game physics, animation, and mobile device deployment techniques. Every lesson builds on what you've already learned, giving you a rock-solid foundation for real-world success.

* Step-by-step instructions carefully walk you through the most common Unity game development tasks.
* Four sample game projects illustrate the topics.
* Practical, hands-on examples show you how to apply what you learn.
* Quizzes and exercises help you test your knowledge and stretch your skills.
* Notes and Tips point out shortcuts and solutions.

Learn how to...

* Get up and running fast with the Unity 2021 game engine and editor
* Work efficiently with Unity's graphi...

Contributor Bio
Mike Geig works on the production team at Unity Technologies, where he helps
Coding with Roblox Lua in 24 Hours

The Official Roblox Guide

Roblox Corporation

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.

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
- "Watch Out!" alerts help you avoid pitfalls

Roblox Lua in 24 Hours covers all this, and much more:

- Start at the beginning with properties, variables, functions, if/then statements, and loops
- Organize information using arrays and dictionaries
- Work with in-game events to make things move, explode, or whatever you can imagine
- Keep your code manageable with abstractions and object-oriented programming
- Make sure your game plays well on multiple platforms such as phones, tablets, an...

Contributor Bio
Sams Teach Yourself C++ in One Hour a Day (9th Edition)
Siddhartha Rao

Key Selling Points:
Clearer, deeper, more complete: the best hands-on tutorial for anyone serious about C++, now updated for the latest version of C++

- Covers the new C++ version standard
- Variables, constants, strings, arrays, expressions, operators, functions, pointers, references, classes, objects, inheritance, polymorphism, types, overloading, macros, templates, algorithms, containers, streams, exceptions, preprocessing, and more
- The new version of the book 250K+ programmers have relied on!

Summary
In just one hour a day, you will have all the skills you need to begin programming in C++. With this complete tutorial, you will quickly master the basics, and then move on to more advanced features and concepts. Completely updated for the latest C++ standard, this book presents the language from a practical point of view, helping you learn how to use C++ to create faster, simpler, and more efficient C++ applications.

- Master the fundamentals of C++ and object-oriented programming
- Understand how C++ features help you write compact and efficient code using concepts such as lambda expressions, move constructors, and assignment operators
- Learn best practices and avoid pitfalls
- Learn the Standard Template Library, including containers and algorithms used in most real-world C++ applications
- Test your knowledge and expertise with exercises at the end of every lesson
- Learn on your own time, at your own pace:
  - No previous programming experience required
  - Write fast and powerful C++ programs, compile th...

Contributor Bio
Siddhartha Rao (Raleigh, NC Area) has two decades of experience in software development and is the Vice President in charge of Security Response at SAP SE. The evolution of C++ convinces Siddhartha that you can program faster, simpler, and more powerful applications than ever before.
SQL in 24 Hours, Sams Teach Yourself (7th Edition)
Ryan Stephens, Arie D. Jones, Ron Plew

Key Selling Points:

- The up-to-the-minute SQL tutorial for students who want to create applications, query data, or manage databases
- Covers SQL as implemented in MySQL, Oracle, and Microsoft SQL Server
- Covers everything from the basics through optimization, security, and enterprise techniques
- Step-by-step instructions, examples, quizzes, exercises, and tips

Master all the fundamentals of modern SQL -- hands-on, step-by-step!

- The up-to-the-minute SQL tutorial for everyone who wants to create applications, query data, or manage databases
- Covers SQL as implemented in MySQL, Oracle, and Microsoft SQL Server
- Covers everything from the basics through optimization, security, and enterprise techniques
- Step-by-step instructions, examples, quizzes, exercises, and tips

Summary

The straightforward, step-by-step approach shows students how to work with database structures, objects, queries, tables, and more. In just hours, they will be applying advanced techniques, including views, transactions, web connections, and powerful Oracle and SQL Server extensions. Every lesson builds on what you've already learned, giving you a rock-solid foundation for real-world success.

Includes Coverage of Oracle and Microsoft SQL Implementations

In just 24 lessons of one hour or less, SQL in 24 Hours, Sams Teach Yourself, Seventh Edition, helps you use SQL to build effective databases, efficiently retrieve data, and manage everything from performance to security.

The straightforward, step-by-step approach shows you how to work with database structures, objects, queries, tables, and more. In just hours, you will be applying advanced techniques, including views, transactions, web connections, and powerful Oracle and SQL Server extensions. Every lesson builds on what you've already learned, giving you a rock-solid foundation for real-world success.

Step-by-step instructions carefully walk you through the most common SQL tasks.

Practical, hands-on examples show you how to apply what you learn.

Quizzes and exercises help you test your knowledge and stretch your skills.

Notes and tips point out shortcuts and solutions.

Learn how to...