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This book presents the latest research on Software Engineering Frameworks for the Cloud Computing Paradigm, drawn from an international selection of researchers and practitioners. The book offers both a discussion of relevant software engineering approaches and practical guidance on enterprise-wide software deployment in the cloud environment, together with real-world case studies. Features: presents the state of the art in software engineering approaches for developing cloud-suitable applications; discusses the impact of the cloud computing paradigm on software engineering; offers guidance and best practices for students and practitioners; examines the stages of the software development lifecycle, with a focus on the requirements engineering and testing of cloud-based applications; reviews the efficiency and performance of cloud-based applications; explores feature-driven and cloud-aided software design; provides relevant theoretical frameworks, practical approaches and future research directions.

If you want to become an AWS Certified Cloud Practitioner, this book is for you! 3 BOOKS IN 1 DEAL! · BOOK 1 - AWS CLOUD PRACTITIONER: CLOUD COMPUTING ESSENTIALS · BOOK 2 - AWS CLOUD COMPUTING: INTRODUCTION TO CORE SERVICES · BOOK 3 - AWS CLOUD SECURITY: BEST PRACTICES FOR SMALL AND MEDIUM BUSINESSES This book will help you prepare for the AWS Certified Cloud Practitioner exam (Exam Code CLF-C01). In fact, this book is designed to be a one-stop shop for you. It has everything that you need to get ready for the exam. This book will not just help you through sample questions, but it will also walk you through and teach you how to think about the exam questions to become an AWS Certified Cloud Practitioner. GET THIS BOOK NOW TO DISCOVER AWS CLOUD TODAY!

IF YOU WANT TO PASS THE MICROSOFT AZURE AZ-900 EXAM, OR WANT TO BECOME AN AWS CERTIFIED CLOUD PRACTITIONER, AND/OR WANT TO DISCOVER HOW TO AUTOMATE YOUR INFRASTRUCTURE ON ANY CLOUD WITH TERRAFORM, THIS BOOK IS FOR YOU! 10 BOOKS IN 1 DEAL! · BOOK 1 - CLOUD COMPUTING FUNDAMENTALS: INTRODUCTION TO MICROSOFT AZURE AZ-900 EXAM · BOOK 2 - MICROSOFT AZURE SECURITY AND PRIVACY CONCEPTS: CLOUD DEPLOYMENT TOOLS AND TECHNIQUES, SECURITY & COMPLIANCE · BOOK 3 - MICROSOFT AZURE PRICING & SUPPORT OPTIONS: AZURE SUBSCRIPTIONS, MANAGEMENT GROUPS & COST MANAGEMENT · BOOK 4 - MICROSOFT AZURE AZ-900 EXAM PREPARATION GUIDE: HOW TO PREPARE, REGISTER AND PASS YOUR EXAM · BOOK 5 - AWS CLOUD PRACTITIONER: CLOUD COMPUTING ESSENTIALS · BOOK 6 - AWS CLOUD COMPUTING: INTRODUCTION TO CORE SERVICES · BOOK 7 - AWS CLOUD SECURITY: BEST PRACTICES FOR SMALL AND MEDIUM BUSINESSES · BOOK 8 - TERRAFORM FUNDAMENTALS: INFRASTRUCTURE DEPLOYMENT ACROSS MULTIPLE SERVICES · BOOK 9 - AUTOMATION WITH TERRAFORM: ADVANCED CONCEPTS AND FUNCTIONALITY · BOOK 10 - TERRAFORM CLOUD DEPLOYMENT: AUTOMATION, ORCHESTRATION, AND COLLABORATION GET THIS BOOK NOW AND BECOME A CLOUD PRO TODAY!

Virtual, hands-on learning labs allow you to apply your technical skills in realistic environments. So Sybex has bundled AWS labs from XtremeLabs with our popular AWS Certified Cloud Practitioner Study Guide to give you the same experience working in these labs as you prepare for the Certified Cloud Practitioner Exam that you would face in a real-life application. These labs in addition to the book are a proven way to prepare for the certification and for work as an AWS Cloud Practitioner. The AWS Certified Cloud Practitioner Study Guide: Exam CLF-C01 provides a solid introduction to this industry-leading technology, relied upon by thousands of businesses across the globe, as well as the resources you need to prove your knowledge in the AWS Certification Exam. This guide offers complete and thorough treatment of all topics included in the exam, beginning with a discussion of what the AWS cloud is and its basic global infrastructure and architectural principles. Other chapters dive into the technical, exploring core characteristics of deploying and operating in the AWS Cloud Platform, as well as basic security and compliance aspects and the shared security model. In addition, the text identifies sources of documentation or technical assistance, such as white papers or support tickets. To complete their coverage, the authors discuss the AWS Cloud value proposition and define billing, account management, and pricing models. This includes describing the key services AWS can provide and their common use cases (e.g., compute, analytics, etc.). Distinguish yourself as an expert by obtaining a highly desirable certification in a widely used platform Hone your skills and gain new insights on AWS whether you work in a technical, managerial, sales, purchasing, or financial field Fully prepare for this new exam using expert content and real--world knowledge, key exam essentials, chapter review questions, and other textual resources Benefit from access to the Sybex online interactive learning environment and test bank, including chapter tests, practice exams, key term glossary, and electronic flashcards XtremeLabs virtual labs that run from your browser. The registration code is included with the book and gives you 6 months unlimited access to XtremeLabs AWS Certified Cloud Practitioner Labs with 8 unique lab modules based on the book. The AWS Certified Cloud Practitioner Study Guide is essential reading for any professional in IT or other fields that work directly with AWS, soon-to-be graduates studying in those areas, or anyone hoping to prove themselves as an AWS Certified Cloud Practitioner.

Practice the Skills Essential for a Successful Career in Cybersecurity! This hands-on guide contains more than 90 labs that challenge you to solve real-world problems and help you to master key cybersecurity concepts. Clear, measurable lab results map to exam objectives, offering direct correlation to Principles of Computer Security: CompTIA Security+TM and Beyond, Sixth Edition (Exam SY0-601). For each lab, you will get a complete materials list, step-by-step instructions and scenarios that require you to think critically. Each chapter concludes with Lab Analysis questions and a Key Term quiz. Beyond helping you prepare for the challenging exam, this book teaches and reinforces the hands-on, real-world skills that employers are looking for. In this lab manual, you'll gain knowledge and hands-on experience with Linux systems administration and security Reconnaissance, social engineering, phishing Encryption, hashing OpenPGP, DNSSEC, TLS, SSH Hacking into systems, routers, and switches Routing and switching Port security, ACLs Password cracking Cracking WPA2, deauthentication attacks, intercepting wireless traffic Snort IDS Active Directory, file servers, GPOs Malware reverse engineering Port scanning Packet sniffing, packet crafting, packet spoofing SPF, DKIM, and DMARC Microsoft Azure, AWS SQL injection attacks Fileless malware with PowerShell Hacking with Metasploit and Armitage Computer forensics Shodan Google hacking Policies, ethics, and much more

Amazon Web Services (AWS) is a cloud computing platform. It is a collection of remote computing services that together make up a cloud computing platform, offered over the Internet by Amazon.com. Amazon Web Services provides a highly reliable, scalable, low-cost infrastructure platform in the cloud that powers hundreds of thousands of businesses in 190 countries around the world. You can use AWS to develop applications and websites, back up critical business data, store your files in-the-cloud, and provide content delivery to millions of users. Amazon Web Services came into existence in 2006. The idea was to remove the dependency on the local hardware, and build an infrastructure on the Internet. AWS is a significant innovation. It is capable of providing fast access to various data storage and computing services. Even if a company has its own data centers, it can quickly move some of the workload to AWS without making any changes to what customers see from their end. This book is designed to teach you everything you need to know about Amazon Web Services. You will be taken on a journey from basics of AWS to the more advanced topics. Get this book. And learn how to leverage the infrastructure of AWS and bring your business ideas to life.

Become an AWS Certified Cloud Practitioner, learn in-demand skills, and love the work that you do. With this study guide, you can rest assured that you will learn about every concept covered on the AWS Certified Cloud Practitioner CLF-C01 exam, and you won't spend days, weeks, or even months searching for documentation that explains the concepts in a way that you can understand and remember. An AWS Certified Cloud Practitioner is an individual who has passed the AWS CLF-C01 exam proving they have foundational knowledge of Amazon Web Services, including the advantages the AWS Cloud offers customers and the many ways in which customers can design, develop, deploy, and operate solutions in the AWS Cloud. The Cloud Practitioner certification is the foundational accreditation from AWS, the largest and most widely used public cloud platform across the world. The certification is great fit for both technical and non-technical staff, IT and business leaders, and anybody who would like to gain a better understanding of the services and resources offered by AWS. This study guide will prepare you to pass the exam and become an AWS Certified Cloud Practitioner. The guide follows the exact same outline as the exam. Each section in the guide covers one of the four exam domains outlined by AWS: Cloud Concepts, Technology, Security and Compliance, and Billing and Pricing. Each section of the guide is organized into the same three or four capabilities AWS includes in the exam domain. Within each capability, the guide includes clear and simple explanations of each concept covered on the exam helping you gain the knowledge you need to build the capability and earn the certification. In addition to the explanations, the guide includes an added bonus you won't find in any other learning content, links to the exact place in the AWS documentation where each concept is covered enabling you to read about the concept in Amazon's own words.

If you need to read only one book to acquire a strong foundation in cybersecurity fundamentals, make it this one. This is not just another book on cybersecurity. It is a well-illustrated practical guide designed for beginners to familiarize them with the latest cyber security landscape and provide the knowledge of relevant tools to assess and manage security protocols in information processing systems. It is a self-paced book that is excellent for beginners, practitioners and scholars alike. After completing this book, you will be able to: Explain basic security risks, security of data and information, types of security breaches, and how to manage security threats Demonstrate how to configure browsers and safe browsing practices Identify security threats and explain how to address them in applications and shared networks Whether you're skilling up to become a Help Desk Support Specialist, Security Specialist, Virtual Customer Service Agent, or just want to learn the basics of working in and managing security and security systems, you need a strong foundation in security fundamentals. This course is divided into three modules: Common Security Threats and Risks Security Best Practices Safe Browsing Practices You'll learn about common security risks and the importance of information privacy. You'll also learn various ways to identify and protect your organization against different types of security breaches and malware threats, and you'll discover more about confidentiality, integrity, and availability. You'll learn about security best practices, creating effective passwords, and securing devices. You will learn about authentication, authorization, and accounting, and how these concepts help secure devices, validate devices and servers, encrypt devices, and manage email and spam. You'll learn about safety concerns with applications and public browsing, including managing plug-ins, extensions, and toolbars. You will learn about web browser security configurations, cookies, and computer caches.

This textbook is intended for students who are in the first or second year of a typical college or university program in mechanical engineering or a closely related field. Throughout the chapters of

this book, I attempted to balance the treatments of technical problem-solving skills, engineering principles and analysis with numerous worked examples. Practice exercises are also included for you to test your understanding of each topic treated in the book. The book begins with scalar and vector quantities in Chapter 1. In Chapter 2 you will study dynamics. You will learn rectilinear motion of particles, basic equations of motion, displacement, speed, velocity, acceleration, torque, Newton's laws of motion, principles of conservation of energy, momentum and different types of forces. You will also be introduced to the concept of work, energy and power. In Chapter 3, we will return to statics. We will look at moments and frictional forces. You will learn the laws of Friction, friction on an inclined plane, tractive resistance, and application of friction to brakes and bearings. In Chapter 4, we will move on to circular motion. You will learn about motion in a circle and centripetal force with worked examples. In Chapter 5, you will study mechanical oscillations. You will learn simple harmonic motion, damped oscillation, forced oscillation and resonance. In Chapter 6, we will look at the principles of machine, such as mechanical advantage, velocity ratio (speed ratio) and efficiency. You will learn with worked examples application of machines, such as the inclined plane, screw jack, wheel and axle, the hydraulic press, gear trains, the worm wheel, belt tension and belt slip. Chapter 7 is all about fluid at rest. We will look at pressure at a depth in a fluid, pressure measuring instruments, atmospheric pressure, pressure gauges, surface tension and Archimedes' principle with worked examples. Chapters 8 is dedicated to fluid dynamics. We will look at properties of fluid such as density, viscosity, turbulent flow, Bernoulli's equation and momentum of fluid with worked examples. In Chapter 9, you will study energy and its uses, and different sources of energy, such as solar, wind. water and biofuels. You will also learn about thermal power station, hydroelectric power station, and so on. In Chapter 10, I provide a link to download a bunch of practice exercises and answers, and other training resources. You can use them for quick references and revision as well. So, everything you need to help you in your study is here in this book. This will give you more problem-solving and analytical skills. It will also help you to learn some of the calculations and estimates or approximations that mechanical engineers can perform as they solve technical problems and communicate their results. For mechanical engineers to accomplish their jobs better and faster, they combine science, mathematics, computer-aided engineering tools, hands-on skills and experience. My support link is also included in this book for you to contact me any time if you need further help. Finally, please note that after studying this book, you will not be an expert in mechanical engineering. That is not my intention of writing this book, and it should not be yours for reading it. If my objective has been met, however, you will acquire a solid foundation of problem-solving and analytical skills, which just might form the basis for your own future contributions to the mechanical engineering profession.

AWS Certifications are industry-recognized credentials that validate your technical cloud skills and expertise while assisting in your career growth. These are one of the most valuable IT certifications right now since AWS has established an overwhelming lead in the public cloud market. Even with the presence of several tough competitors such as Microsoft Azure, Google Cloud Engine, and Rackspace, AWS is by far the dominant public cloud platform today, with an astounding collection of proprietary services that continues to grow. The AWS Certified Cloud Practitioner (CLF-C01) examination is intended for individuals who have the knowledge and skills necessary to effectively demonstrate an overall understanding of the AWS Cloud, independent of specific technical roles addressed by other AWS certifications (e.g., Solutions Architect - Associate, Developer - Associate, or SysOps Administrator - Associate). The certification will provide you a high level overview on what AWS Cloud is all about. The exam covers four domains, including AWS core services, cloud concepts, security aspect, pricing and support services. AWS Certified Cloud Practitioner is a new entry-level certification and enables individuals to validate their knowledge of the AWS Cloud with an industry-recognized credential. This certification exam validates your ability to define and identify: • AWS Cloud and its basic global infrastructure • AWS Cloud architectural principles • AWS Cloud value proposition • Key services on the AWS platform and their common use cases (example, compute and analytics) • Basic security and compliance aspects of the AWS platform and the shared security model • Billing, account management, and pricing models • Sources of documentation or technical assistance (example, whitepapers or support tickets) • Basic and core characteristics of deploying and operating in the AWS Cloud

Start your Cybersecurity career with expert advice on how to get certified, find your first job, and progress Key FeaturesLearn how to follow your desired career path that results in a well-paid, rewarding job in cybersecurityExplore expert tips relating to career growth and certification optionsAccess informative content from a panel of experienced cybersecurity expertsBook Description Cybersecurity is an emerging career trend and will continue to become increasingly important. Despite the lucrative pay and significant career growth opportunities, many people are unsure of how to get started. This book is designed by leading industry experts to help you enter the world of cybersecurity with confidence, covering everything from gaining the right certification to tips and tools for finding your first job. The book starts by helping you gain a foundational understanding of cybersecurity, covering cyber law, cyber policy, and frameworks. Next, you'll focus on how to choose the career field best suited to you from options such as security operations, penetration testing, and risk analysis. The book also guides you through the different certification options as well as the pros and cons of a formal college education versus formal certificate courses. Later, you'll discover the importance of defining and understanding your brand. Finally, you'll get up to speed with different career paths and learning opportunities. By the end of this cyber book, you will have gained the knowledge you need to clearly define your career path and develop goals relating to career progression. What you will learnGain an understanding of cybersecurity essentials, including the different frameworks and laws, and specialtiesFind out how to land your first job in the cybersecurity industryUnderstand the difference between college education and certificate coursesBuild goals and timelines to encourage a work/life balance while delivering value in your jobUnderstand the different types of cybersecurity jobs available and what it means to be entry-levelBuild affordable, practical labs to develop your technical skillsDiscover how to set goals and maintain momentum after landing your first cybersecurity jobWho this book is for This book is for college graduates, military veterans transitioning from active service, individuals looking to make a mid-career switch, and aspiring IT professionals. Anyone who considers cybersecurity as a potential career field but feels intimidated, overwhelmed, or unsure of where to get started will also find this book useful. No experience or cybersecurity knowledge is needed to get started.

Buku ini adalah salah satu hasil perkuliahan yang berorientasi pada luaran pembelajaran sekaligus sebagai buku modul ajar mata kuliah. Oleh karena itu, atas dukungan dan bantuan yang telah diberikan pihak kampus, secara khusus Program Studi Manajemen Pendidikan, Fakultas Keguruan dan Ilmu Pendidikan (FKIP) Universitas Mulawarman Samarinda, serta mahasiswa dan beberapa kolega yang turut membantu dan menyiapkan materi, desain, dan editing dalam penyelesaian buku ini, kami ucapkan terima kasih yang sebesar-besarnya.

Buku ini memuat konsep-konsep tentang penciptaan seni rupa dan desain yang digagas dari kekayaan lokal nusantara. Latar belakang budaya menjadi landasan kreatif dalam pengembangan produk penciptaan yang didukung oleh landasan teori dan pendekatan keilmuan yang komprehensif. Hasilnya adalah berbagai kreasi penciptaan, seperti canting dari limbah kertas untuk penciptaan motif batik lokal Gorontalo, perancangan ruang dan furnitur kantor, desain karakter motion graphic, perancangan stool inspirasi motif kawung, penciptaan lukisan kontemporer, Perancangan Visual UI dan UX E-menu Kedai Berdikari Kopi Bekasi sebagai sistem pemesanan, edukasi toleransi bagi siswa SD melalui media digital storytelling, dan lain-lain. Buku ini memiliki keunggulan dibandingkan dengan buku sejenis sehingga layak untuk dijadikan acuan untuk penulisan. Selanjutnya, dapat menjadi pemantik untuk pengembangan wawasan dalam penciptaan karya seni rupa dan desain sekaligus sebagai stimulus untuk landasan berkarya seni rupa dan desain.

Validate your AWS skills. This is your opportunity to take the next step in your career by expanding and validating your skills on the AWS cloud. AWS has been the frontrunner in cloud computing products and services, and the AWS Certified Solutions Architect Official Study Guide for the Associate exam will get you fully prepared through expert content, and real-world knowledge, key exam essentials, chapter review questions, access to Sybex's interactive online learning environment, and much more. This official study guide, written by AWS experts, covers exam concepts, and provides key review on exam topics, including: Mapping Multi-Tier Architectures to AWS Services, such as web/app servers, firewalls, caches and load balancers Understanding managed RDBMS through AWS RDS (MySQL, Oracle, SQL Server, Postgres, Aurora) Understanding Loose Coupling and Stateless Systems Comparing Different Consistency Models in AWS Services Understanding how AWS CloudFront can make your application more cost efficient, faster and secure Implementing Route tables, Access Control Lists, Firewalls, NAT, and DNS Applying AWS Security Features along with traditional Information and Application Security Using Compute, Networking, Storage, and Database AWS services Architecting Large Scale Distributed Systems Understanding of Elasticity and Scalability Concepts Understanding of Network Technologies Relating to AWS Deploying and Managing Services with tools such as CloudFormation, OpsWorks and Elastic Beanstalk. Learn from the AWS subject-matter experts, review with proven study tools, and apply real-world scenarios. If you are looking to take the AWS Certified Solutions Architect Associate exam, this guide is what you need for comprehensive content and robust study tools that will help you gain the edge on exam day and throughout your career.

Preparing for the AWS Certified Cloud Practitioner exam - and looking for a way to fast-track your exam success? Then these popular training notes for the AWS Cloud Practitioner are for you. Based on the latest CLF-C01 exam blueprint, these training notes will shortcut your study time and maximize your chance of passing the AWS Certified Cloud Practitioner exam first time. The scope of coverage of AWS services is based on feedback from Digital Cloud Training's pool of over 250,000 students who have recently taken the AWS exam. This is a great resource for diving deep into each AWS service covered on the AWS exam which saves you from needing to browse hundreds of AWS FAQ pages and sorting through stacks of irrelevant information. For easy navigation, the information on each AWS service in this document is organized into the same categories as they are in the AWS Management Console. Here's how this popular exam prep tool will shortcut your study time: - EVERYTHING YOU NEED TO KNOW - Deep dive into the CLF-C01 exam objectives with 200 pages of detailed facts, tables and diagrams. - ALWAYS UP TO DATE - These key exam essentials reflect the latest CLF-C01 exam blueprint and are regularly updated. - ONLINE PRACTICE TEST - Simulate the real exam with 65 scored and timed practice questions in Digital Cloud Training's online learning environment. - CLEAR LANGUAGE - Focused and to the point presented in an easy-to-read format - GAIN THE EDGE ON EXAM DAY - Learn from AWS subject-matter experts with this essential cheat sheet - SAVE VALUABLE TIME - Get straight to the facts you need to know to successfully pass your AWS Certified Cloud Practitioner exam first time. ABOUT THE AUTHOR Neal Davis is the founder of Digital Cloud Training and a successful IT instructor. With more than 20 years of experience in the tech industry, Neal is a true expert in cloud computing. His passion is to help others achieve career success by offering in-depth AWS certification training resources. Neal's popular courses have been well received by over 250,000 students worldwide. 2021 BONUS MATERIAL - 120 QUIZ QUESTIONS Review your knowledge and test your understanding with a total of 120 unique quiz questions. This way you can easily measure your learning progress. - SIMULATE THE REAL EXAM Get FREE access to the online exam simulator from Digital Cloud Training to evaluate your exam readiness. The full-length Practice Tests with 65 unique questions is timed and scored - mimicking the real exam environment so you get familiar with the AWS exam format. Every question includes deep-dive reference links and detailed explanations that explain why each answer is correct or incorrect.

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CompTIA Security+ Study Guide (Exam SY0-601)

Proceedings of the II International Scientific and Practical Conference

What is the cloud? Discover the secrets of the cloud through simple explanations that use lots of pictures and lots of examples. Why learn about the cloud? It's the future. The cloud is the future of software, the future of computing, and the future of business. If you're not up on the cloud the future will move on without you. Don't miss out. Not a geek? Don't worry. I wrote this book for you! After reading Explain Cloud Like I'm 10, you will understand the cloud. That's a promise. How do I deliver on that promise? I'll let you in on a little secret: the cloud is not that hard to understand. It's just that nobody has taken the time to explain it properly. take the time. I go slow. You'll learn step-by-step; one idea at a time. You'll learn something new no matter if you're a beginner, someone who knows a little and wants to know more, or someone thinking about a career change. In Explain Cloud Like I'm 10, you'll discover: • How the cloud got its name. A more interesting story than you might think.An intuitive picture based definition of the cloud. • What it means when someone says a service is in the cloud.If stormy weather affects cloud computing. • How the internet really works. Most people don't know. You will.The real genius of cloud computing. Hint: it's not the technology. • The good, the bad, and the ugly of cloud computing. • How cloud computing changed how software is made—forever. • Why Amazon AWS became so popular. Hint: it's

not the technology. • What happens when you press play on Netflix. • Why Kindle is the perfect example of a cloud service. • The radically different approaches Apple and Google take to the cloud. • How Google Maps and Facebook Messenger excel as cloud applications. • Cloud providers are engaging in a winner-take-all war to addict you to their ecosystems. • Key ideas like: VM, serverless, container, IaaS, PaaS, SaaS, virtualization, caching, ISP, OpEx, CapEx, network, AMI, EC2, S3, CDN, elastic computing, datacenter, and cloud-native.And so much more. Sound like gobbledygook? Don't worry! It will all make sense. I've been a programmer and a writer for over 30 years. I've been in cloud computing since the beginning, and I'm here to help you on your journey to understand the cloud. Consider me your guide. I'll be with you every step of the way. Sound fun? Buy Explain Cloud Like I'm 10 and let's get started learning about the cloud today!

Stand out as an expert by earning a highly desirable certification in a widely used platformHone your skills and gain new insights into AWS whether you work in a technical, management, sales, purchasing or finance fieldFully prepare for this new exam using expert content and real-world knowledge, key exam essentials, chapter review questions, and other textual resourcesBenefit from access to the Sybex online interactive learning environment and test bank, including chapter tests, practice exams, glossary of key terms and electronic flashcardsThe Study Guide for AWS Certified Cloud Practitioner is essential reading for any IT professional or other fields working directly with AWS, for future graduates studying in those areas, or for anyone who wishes.Understanding AWSHISTORY OF AMAZON WEB SERVICESBENEFITS OF AWSMYTHS ABOUT AMAZON WEB SERVICESAMAZON WEB SERVICES DEVELOPMENT TOOLS AND APPLICATION SERVICESCLOUD COMPUTINGCLOUD STORAGERELATIONAL DATABASEAWS LIMITATIONThe AWS Certified Cloud Practitioner Study Guide is essential reading for any professional in IT or other fields that work directly with AWS, soon-to-be graduates studying in those areas, or anyone hoping to prove themselves as an AWS Certified Cloud Practitioner.

This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. Learn, prepare, and practice for AWS Certified Cloud Practitioner (CLF-C01) exam success with this Cert Guide from Pearson IT Certification, a leader in IT Certification learning. Master AWS Certified Cloud Practitioner (CLF-C01) exam topics Assess your knowledge with chapter-ending quizzes Review key concepts with exam preparation tasks AWS Certified Cloud Practitioner (CLF-C01) Cert Guide is a best-of-breed exam study guide. Best-selling author and expert instructor Anthony Sequeira 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. The book presents you with an organized test preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. Well-regarded for its level of detail, assessment features, and challenging review questions and exercises, this study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. The study guide helps you master all the topics on the AWS Certified Cloud Practitioner exam, including how to: Define the AWS Cloud and its value proposition, and discuss its economics Define the AWS Shared Responsibility model, and key AWS security and compliance concepts Identify AWS access management capabilities Define methods of deploying the AWS Cloud and operating within Define the AWS global infrastructure and identify core AWS services Recognize and compare AWS pricing models and account structures Identify support resources for security, AWS cloud technology, and billing

Learning Amazon Web Services (AWS) is a clear, complete, practical, and hands-on introduction to the world's leading cloud platform -- a perfect resource for everyone who needs to understand AWS, whatever their previous IT background. Top cloud trainer and evangelist Mark Wilkins covers all you need to know to succeed with AWS, introducing each key concept in the context of a book-length case study. He teaches best practices that fully align with Amazon's Well Architected Framework, the basis of all AWS certifications -- making this guide a valuable learning tool for those seeking to demonstrate their expertise by pursuing formal certification. Wilkins introduces new concepts based on how they are presented in the AWS self-service portal, making his coverage even easier to learn from and practice with. Coverage includes: The big picture: What AWS is, how it has evolved, and how it can help you Foundation Core Services: compute, network, storage, and databases Implementing AWS Compute Services and EC2 instances (and understanding their pricing) Enforcing AWS security, compliance, and control Leveraging AWS Networking Services, including VPC, CIDR, DHCP, NAT, Internet gateways, endpoints, and VPNs Utilizing AWS cloud storage and databases Efficiently administering and managing AWS

Whether you are preparing for a career as a business manager, computer programmer or system designer, or you simply want to be an informed home computer user, West's DATA COMMUNICATIONS AND COMPUTER NETWORKS, 9th Edition provides an understanding of the essential features, operations and limitations of today's computer networks. You learn about systems both on premises and in the cloud as the author balances technical concepts with practical, everyday issues. Updates address the latest developments and practices in cloud business principles and security techniques, software-defined networking, 5G, the Internet of Things, data analytics and supporting remote workforces. This edition also covers the CompTIA's Cloud Essentials+ exam to help you prepare for this vendor-neutral, business-oriented cloud computing certification. Hands-on learning features and thought-provoking content also guide you through virtual networking technologies, industry convergence and wired and wireless LAN technologies. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This course covers all the domain objectives for the AWS Certified DevOps Engineer Professional exam. As cloud adoption continues to rise, businesses are in desperate need of highly skilled professionals that have a proven track record of delivering results. The AWS Certified DevOps Engineer certification has developed a reputation for being one of the most hard core AWS certifications available. Whether you're a developer or an operations engineer, you can be sure this certification will take your skills to the next level and give your employers confidence that they're working with the right person. We'll start off this course by looking at the big picture for the AWS DevOps certification which includes looking at the prerequisites and how to best study for the exam. Then, we'll dive into understanding the principles, practices and benefits of the DevOps philosophy. And, we'll spend time breaking down the concepts of continuous integration and continuous delivery, al we'll get our hands dirty by learning how to commit code to version control. We'll see how to set up a continuous integration server and integrate it with some of the AWS code services like AWS CodeDeploy and AWS CodePipeline. Next, we'll go on a deep dive into infrastructure as code with AWS CloudFormation. We'll learn how to create declared JSON based templates that can be versioned along with your application source code and we'll see how to automate the setup of complete application stacks using CloudFormation. We'll see how easy it is to use Elastic Beanstalk to create and manage applications, both in the graphical console as well as from the command line using the Elastic Beanstalk CLI. Next we'll move on to OpsWorks which is a configuration management platform that can be used to build stacks that can be fully managed with chef cookbooks and recipes, and at the end of the course we'll take a look at scripting and automating operational tasks with the AWS CLI. For organizations embracing a DevOps approach to application development, a common practice is to monitor and measure everything. And whether you're a developer or an operations engineer, you can be sure that becoming an AWS certified professional will validate your proficiency when it comes to monitoring services and applications, and implementing automated solutions to react to changes to AWS resources. In this course we'll start off with an introduction to Amazon CloudWatch, and we'll discuss some of the core comp...

The AWS Cloud Practioner exam CLF-C01 is your entry point into the AWS certification world. Although it's not a mandatory step. It covers a broad range of topics including cloud concepts, security, technology, and billing and pricing. After passing this exam you'll have an understanding of the core value proposition of AWS and cloud computing in general. You'll understand the key features of AWS and what they can offer. The pricing structure of AWS services and how they compare to traditional data centers and Identify AWS products that can help solve your business needs. Who is this exam for? Taking the exam would benefit a broad range of people in the tech industry. This isn't limited to developers and architects. Business analysts, product owners, project managers, etc. Everyone can benefit from the Practioner exam. The exam falls at the base of the AWS certification tree and while it is not a prerequisite for taking some of the more advanced courses. It is required (although not if you have an associate certification already) to take the specialist exams such as security, big data & advanced networking courses. This AWS Cloud Practioner exam CLF-C01 practice test of AWS Web Services has been advanced to test your knowledge before taking the official exam. Unlike other online simulation practice tests, you get an eBook version easy to read & remember these questions. You can simply rely on these 100+ questions for successfully certifying this exam.