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Summary **Learn Amazon Web Services in a Month of Lunches** guides you through the process of building a robust and secure web application using the core AWS services you really need to know. You'll be amazed by how much you can accomplish with AWS! Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Cloud computing has transformed the way we build and deliver software. With the Amazon Web Services cloud platform, you can trade expensive glass room hardware and custom infrastructure for virtual servers and easy-to-configure storage, security, and networking services. Better, because you don't own the hardware, you only pay for the computing power you need! Just learn a few key ideas and techniques and you can have applications up and running in AWS in minutes. About the Book **Learn Amazon Web Services in a Month of Lunches** gets you started with AWS fast. In just 21 bite-size lessons, you'll learn the concepts and practical techniques you need to deploy and manage applications. You'll learn by doing real-world labs that guide you from the core AWS tool set through setting up security and storage and planning for growth. You'll even deploy a public-facing application that's highly available, scalable, and load balanced. What's Inside First steps with AWS - no experience required Deploy web apps using EC2, RDS, S3, and Route 53 Cheap and fast system backups Setting up cloud automation About the Reader If you know your way around Windows or Linux and have a basic idea of how web applications work, you're ready to start using AWS. About the Author David Clinton is a system administrator, teacher, and writer. He has administered, written about, and created training materials for many

important technology subjects including Linux systems, cloud computing (AWS in particular), and container technologies like Docker. Many of his video training courses can be found on Pluralsight.com, and links to his other books (on Linux administration and server virtualization) can be found at <https://bootstrap-it.com>. Table of Contents Before you begin PART 1 - THE CORE AWS TOOLS The 10-minute EC2 web server Provisioning a more robust EC2 website Databases on AWS DNS: whatâ€™s in a name? S3: cheap, fast file storage S3: cheap, fast system backups AWS security: working with IAM users, groups, and roles Managing growth Pushing back against the chaos: using resource tags CloudWatch: monitoring AWS resources for fun and profit Another way to play: the command-line interface PART 2 - THE AWS POWER USER: OPTIMIZING YOUR INFRASTRUCTURE Keeping ahead of user demand High availability: working with AWS networking tools High availability: load balancing High availability: auto scaling High availability: content-delivery networks PART 3 - FOOD FOR THOUGHT: WHAT ELSE CAN AWS DO FOR YOU? Building hybrid infrastructure Cloud automation: working with Elastic Beanstalk, Docker, and Lambda Everything else (nearly) Never the end What you'll learn Pass the AWS Certified Solutions Architect - Associate Exam Design Highly Resilient and Scaleable Websites on AWS Become Intimately Familiar With The AWS Platform Become Amazon Certified Become A Cloud Guru In this book we will start with a broad overview of the AWS platform and then deep dive into the individual elements of the AWS platform. You will explore Route53, EC2, S3, Cloud Front, Autoscaling, Load Balancing, RDS, RedShift, DynamoDB, EMR, VPC etc. AWS are constantly evolving their platform, in 2018 there have been over 1300 new product releases. As 2019 progresses we will continuously update this course with new content so you will never have to worry about missing out or failing the AWS certification test because of new content. This is the best online AWS training available, at a great affordable rate. Who this course is for: AWS Absolute Beginners. No prior AWS experience necessary Existing Solutions Architects Programmers Interested in Deploying Applications on AWS People interested in hosting highly scaleable, fault tolerant applications (such as Wordpress and Joomla) on the AWS cloud. 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. Put the power of AWS Cloud machine learning services to work in your business and commercial applications! Machine Learning in the AWS Cloud introduces readers to the machine learning (ML) capabilities of the Amazon Web Services ecosystem and provides practical examples to solve real-world regression and classification problems. While readers do not need prior ML experience, they are expected to have some knowledge of Python and a basic knowledge of Amazon Web Services. Part One introduces readers to fundamental machine learning concepts. You will learn about the types of ML systems, how they are used, and challenges you may face with ML solutions. Part Two focuses on machine learning services provided by Amazon Web Services. You'll be introduced to the basics of cloud computing and AWS offerings in the cloud-based machine learning space. Then you'll learn to use Amazon Machine Learning to solve a simpler class of machine learning problems, and Amazon SageMaker to solve more complex problems. • Learn techniques that allow you to preprocess data, basic feature engineering, visualizing data, and model building • Discover common neural network frameworks with Amazon SageMaker • Solve computer vision problems with Amazon Rekognition • Benefit from illustrations, source code examples, and sidebars in each chapter The book appeals to both Python developers and technical/solution architects. Developers will find concrete examples that show them how to perform common ML tasks with Python on AWS. Technical/solution architects will find useful information on the machine learning capabilities of the AWS ecosystem. Comprehensive, interactive exam preparation and so much more The AWS Certified SysOps Administrator Official Study Guide: Associate Exam is a comprehensive exam preparation resource. This book bridges the gap between exam preparation and real-world readiness, covering exam objectives while guiding you through hands-on exercises based on situations you'll likely encounter as an AWS Certified SysOps Administrator. From deployment, management, and operations to migration, data flow, cost control, and beyond, this guide will help you internalize the processes and best practices associated with AWS. The Sybex interactive online study environment gives you access to invaluable preparation aids, including an assessment test that helps you focus your study on areas most in need of review, and chapter tests to help you gauge your mastery of the material. Electronic flashcards make it easy to study anytime, anywhere, and a bonus practice exam gives you a sneak preview so you know what to expect on exam day. Cloud computing offers businesses a cost-effective, instantly scalable IT infrastructure. The AWS Certified SysOps Administrator - Associate credential shows that you have technical expertise in deployment, management, and operations on AWS. Study exam objectives Gain practical experience with hands-on exercises Apply your skills to real-world scenarios Test your understanding with challenging review questions Earning your AWS Certification is much more than just passing an exam—you must be able to perform the duties expected of an AWS Certified SysOps Administrator in a real-world setting. This book does more than coach you through the test: it trains you in the tools, procedures, and thought processes to get the job done well. If you're serious about validating your expertise and working at a higher level, the AWS Certified SysOps Administrator Official Study Guide: Associate Exam is the resource you've been seeking. The official study guide for the AWS certification specialty exam The AWS Certified Advanced Networking Official Study Guide – Specialty Exam helps to ensure your preparation for the AWS Certified Advanced Networking – Specialty Exam. Expert review of AWS fundamentals align with the exam objectives, and detailed explanations of key exam topics merge with real-world scenarios to

help you build the robust knowledge base you need to succeed on the exam—and in the field as an AWS Certified Networking specialist. Coverage includes the design, implementation, and deployment of cloud-based solutions; core AWS services implementation and knowledge of architectural best practices; AWS service architecture design and maintenance; networking automation; and more. You also get one year of free access to Sybex's online interactive learning environment and study tools, which features flashcards, a glossary, chapter tests, practice exams, and a test bank to help you track your progress and gauge your readiness as exam day grows near. The AWS credential validates your skills surrounding AWS and hybrid IT network architectures at scale. The exam assumes existing competency with advanced networking tasks, and assesses your ability to apply deep technical knowledge to the design and implementation of AWS services. This book provides comprehensive review and extensive opportunities for practice, so you can polish your skills and approach exam day with confidence. Study key exam essentials with expert insight Understand how AWS skills translate to real-world solutions Test your knowledge with challenging review questions Access online study tools, chapter tests, practice exams, and more Technical expertise in cloud computing, using AWS, is in high demand, and the AWS certification shows employers that you have the knowledge and skills needed to deliver practical, forward-looking cloud-based solutions. The AWS Certified Advanced Networking Official Study Guide – Specialty Exam helps you learn what you need to take this next big step for your career. The Practical, Foundational Technical Introduction to the World's #1 Cloud Platform Includes access to several hours of online training video: Mark Wilkins' expert training video library guides you through setting up core services and prepares you to deploy your own apps and resources. Learning Amazon Web Services (AWS) is the perfect foundational resource for all administrators, developers, project managers, and other IT professionals who want to plan and deploy AWS services and/or earn AWS certification. Top cloud trainer and evangelist Mark Wilkins teaches best practices that align with Amazon's Well-Architected Framework, introduces key concepts in the context of a running case study, carefully explains how core AWS services operate and integrate, and offers extensively tested tips for maximizing flexibility, security, and value. Companion online videos guide you step-by-step through setting AWS compute, storage, networking, scale, security, automation, and more. Balance cost, compliance, and latency in your service designs Choose the right networking options for your virtual private cloud (VPC) Build, host, launch, manage, and budget for EC2 compute services Plan for scale and resiliency, and make informed decisions about AWS storage Enforce strict security, and automate to improve operational efficiency This book with companion training videos is a valuable learning tool for anyone seeking to demonstrate expertise through formal certification. WEB EDITION: All buyers of the book or ebook can register your book for access to a free online Web Edition of this title, which included videos embedded within the text, plus updates as they become available. Overcome advanced challenges in building end-to-end ML solutions by leveraging the capabilities of Amazon SageMaker for developing and integrating ML models into production Key Features Learn best practices for all phases of building machine learning solutions - from data preparation to monitoring models in production Automate end-to-end machine learning workflows with Amazon SageMaker and related AWS Design, architect, and operate machine learning workloads in the AWS Cloud Book Description Amazon SageMaker is a fully managed AWS service that provides the ability to build, train, deploy, and monitor machine learning models. The book begins with a high-level overview of Amazon SageMaker capabilities that map to the various phases of the machine learning process to help set the right foundation. You'll learn efficient tactics to address data science challenges such as processing data at scale, data preparation, connecting to big data pipelines, identifying data bias, running A/B tests, and model explainability using Amazon SageMaker. As you advance, you'll understand how you can tackle the challenge of training at scale, including how to use large data sets while saving costs, monitoring training resources to identify bottlenecks, speeding up long training jobs, and tracking multiple models trained for a common goal. Moving ahead, you'll find out how you can integrate Amazon SageMaker with other AWS to build reliable, cost-optimized, and automated machine learning applications. In addition to this, you'll build ML pipelines integrated with MLOps principles and apply best practices to build secure and performant solutions. By the end of the book, you'll confidently be able to apply Amazon SageMaker's wide range of capabilities to the full spectrum of machine learning workflows. What you will learn Perform data bias detection with AWS Data Wrangler and SageMaker Clarify Speed up data processing with SageMaker Feature Store Overcome labeling bias with SageMaker Ground Truth Improve training time with the monitoring and profiling capabilities of SageMaker Debugger Address the challenge of model deployment automation with CI/CD using the SageMaker model registry Explore SageMaker Neo for model optimization Implement data and model quality monitoring with Amazon Model Monitor Improve training time and reduce costs with SageMaker data and model parallelism Who this book is for This book is for expert data scientists responsible for building machine learning applications using Amazon SageMaker. Working knowledge of Amazon SageMaker, machine learning, deep learning, and experience using Jupyter Notebooks and Python is expected. Basic knowledge of AWS related to data, security, and monitoring will help you make the most of the book. Develop proficiency in AWS technologies and validate your skills by becoming an AWS Certified Cloud Practitioner Key Features Develop the skills to design highly available and fault-tolerant solutions in the cloud Learn how to adopt best-practice security measures in your cloud applications Achieve credibility through industry-recognized AWS Cloud Practitioner certification Book Description Amazon Web Services is the largest cloud computing service provider in the world. Its foundational certification, AWS Certified Cloud Practitioner (CLF-C01), is the first step to fast-tracking your career in cloud computing. This certification will add value even to those in non-IT roles, including professionals from sales, legal, and finance who may be working with cloud computing or AWS projects. If you are a seasoned IT professional, this certification will make it easier for you to prepare for more technical certifications to progress up the AWS ladder and improve your career prospects. The book is divided into four parts. The first part focuses on the fundamentals of cloud computing and the AWS global infrastructure. The second part examines key AWS technology services, including compute, network, storage, and database services. The third part covers AWS security, the shared responsibility model, and several security tools. In the final part, you'll study the fundamentals of cloud economics and AWS pricing models and billing practices. Complete with exercises that highlight best practices for designing solutions, detailed use cases for each of the AWS services, quizzes, and two complete practice tests, this CLF-C01 exam study guide will help you gain the knowledge and hands-on experience necessary to ace the AWS Certified Cloud Practitioner exam. What you will learn Create an AWS account to access AWS cloud services in a secure and isolated environment Understand identity and access management (IAM), encryption, and multifactor authentication (MFA) protection Configure multifactor authentication for your IAM accounts Configure AWS services such as EC2, ECS, Lambda, VPCs, and Route53 Explore various storage and database services such as S3, EBS, and Amazon RDS Study the fundamentals of modern

application design to shift from a monolithic to microservices architecture Design highly available solutions with decoupling ingrained in your design architecture Who this book is for If you're looking to advance your career and gain expertise in cloud computing, with particular focus on the AWS platform, this book is for you. This guide will help you ace the AWS Certified Cloud Practitioner Certification exam, enabling you to embark on a rewarding career in cloud computing. No previous IT experience is essential to get started with this book, since it covers core IT fundamentals from the ground up. With the increasing global interest in leveraging cloud infrastructure, AWS Cloud from Amazon offers a cutting-edge platform for architecting, building, and deploying web-scale cloud applications. The variety of features available within AWS can reduce overall infrastructure costs and accelerate the development process for both large enterprises and startups alike. Beginning with basic cloud concepts, you'll learn about the various cloud services models and the design implications of multi-tenant applications. You'll then design, implement, and deploy a multi-tier, scalable, highly-available and secure application on the AWS platform. At every step, we explain the key guiding principles driving real-world production-ready application architectures. Finally, you will learn how to automate your cloud infrastructure, set up operations, application monitoring, and DevOps pipeline. Foreword by Werner Vogels, Vice President and Corporate Technology Officer, Amazon The AWS exam has been updated. Your study guide should be, too. The AWS Certified Developer Official Study Guide—Associate Exam is your ultimate preparation resource for the latest exam! Covering all exam objectives, this invaluable resource puts a team of AWS experts at your side with expert guidance, clear explanations, and the wisdom of experience with AWS best practices. You'll master core services and basic architecture, and equip yourself to develop, deploy, and debug cloud-based applications using AWS. The AWS Developer certification is earned by those who demonstrate the technical knowledge and skill associated with best practices for building secure, reliable cloud-based applications using AWS technology. This book is your official exam prep companion, providing everything you need to know to pass with flying colors. Study the AWS Certified Developer Exam objectives Gain expert insight on core AWS services and best practices Test your understanding of key concepts with challenging chapter questions Access online study tools including electronic flashcards, a searchable glossary, practice exams, and more Cloud computing offers businesses the opportunity to replace up-front capital infrastructure expenses with low, variable costs that scale as they grow. This customized responsiveness has negated the need for far-future infrastructure planning, putting thousands of servers at their disposal as needed—and businesses have responded, propelling AWS to the number-one spot among cloud service providers. Now these businesses need qualified AWS developers, and the AWS certification validates the exact skills and knowledge they're looking for. When you're ready to get serious about your cloud credentials, the AWS Certified Developer Official Study Guide—Associate Exam is the resource you need to pass the exam with flying colors. NOTE: As of October 7, 2019, the accompanying code for hands-on exercises in the book is available for downloading from the secure Resources area in the online test bank. You'll find code for Chapters 1, 2, 11, and 12. Everything You Need to Know to Become a Certified AWS Cloud Practitioner Do you want to pass the AWS Cloud Practitioner exam on your first try? Have you always wanted to know what cloud computing is, how it works, and what it's used for - without all the technical jargon? If so, then keep reading! Hello! Welcome to "AWS CERTIFIED CLOUD PRACTITIONER CERTIFICATION GUIDE". For all those who want to learn these basics, this book has been designed with two main objectives in mind: (1) Prepare you to pass the AWS Certified Cloud Practitioner exam, and (2) learn the foundations of cloud computing and AWS, including its primary services, benefits, and use cases. This book is designed from absolute scratch and is intended for individuals who intend to begin their journey into AWS and give the AWS Cloud Practitioner Certification. The AWS Cloud Practitioner Exam (CLF-C01) is geared towards professionals who have basic experience with cloud-based technologies. Those include corporate decision-makers, general managers, sales managers, IT managers, and marketers wanting to become certified in AWS Cloud. This AWS Certified Cloud Practitioner Practice Exam book covers EVERYTHING you need to pass the exam on your first try Here's what makes this book special: Introduction to Amazon Web Services Demystification of The Cloud Computing Base Introduction to Cloud Computing and Main Features of Cloud Computing What Is AWS Certification? & Why Is AWS Certification Important? AWS Certified Cloud Practitioner List the Different Cloud Architecture Design Define AWS Cloud Deployment and Operational Methods Recognize the Different Account Structures Related to AWS Billing and Pricing AWS Certification Online Exams AWS Cloud Practitioner Exam from Home Free AWS Cloud Practitioner Question Much, much more! This book is different from others because in this book: You will learn how to identify aspects of the AWS cloud economy You will learn about AWS cloud security and compliance concepts You will understand the various AWS cloud architectural design principals By passing the AWS Certified Cloud Practitioner exam you will be able to demonstrate a detailed understanding of cloud concepts, AWS services, security, architecture, pricing, and support 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. Description of the book This book covers the meaning of AWS; which stands for Amazon Web Services, AWS is used by millions, a cloud provider and it is a safe cloud services platform offering almost all that a business needs to develop sophisticated applications with reliability, scalability, and flexibility. It is a model for billing generally referred to as "pay-as-you-go," having no upfront or capital cost. It also encompasses the general overview of AWS including: The history Reason behind the its successful nature Services that are commonly used and

provided by AWS Amazon Web Services Storage Amazon Web Services Database The Future of AWS Services of AWS Advantages and why it's being used Furthermore, AWS EC2 has been given a proper clarification and why businesses are choosing it, as well as its noticeable characteristics and benefits. Cloud Computing has also been defined including: The way it works Examples of cloud computing History of cloud computing Top benefits of cloud computing Types of cloud computing Types of cloud services which includes, PaaS, IaaS, SaaS and Serverless The uses and how to create cloud-native applications Testing and building applications, how to choose a cloud provider Why every business needs to embrace cloud computing What can be done with cloud computing including its benefits and features. Going further, there's also how to start learning AWS, what is IAM and S3 How to use AWS for zip files. Also, there's the root account, the root login and how to get started. The AWS credentials and access keys has also be analyzed for better review, including AWS MFA, AWS Exams, services provided and how to building applications in AWS. Learn how to sign up on AWS, AWS Hands-on with step by step approach on how to create an RDS, connect the RDS, host a website and upload a website to EC2 server Successfully build, tune, deploy, and productionize any machine learning model, and know how to automate the process from data processing to deployment. This book is divided into three parts. Part I introduces basic cloud concepts and terminologies related to AWS services such as S3, EC2, Identity Access Management, Roles, Load Balancer, and Cloud Formation. It also covers cloud security topics such as AWS Compliance and artifacts, and the AWS Shield and CloudWatch monitoring service built for developers and DevOps engineers. Part II covers machine learning in AWS using SageMaker, which gives developers and data scientists the ability to build, train, and deploy machine learning models. Part III explores other AWS services such as Amazon Comprehend (a natural language processing service that uses machine learning to find insights and relationships in text), Amazon Forecast (helps you deliver accurate forecasts), and Amazon Textract. By the end of the book, you will understand the machine learning pipeline and how to execute any machine learning model using AWS. The book will also help you prepare for the AWS Certified Machine Learning—Specialty certification exam. What You Will Learn Be familiar with the different machine learning services offered by AWS Understand S3, EC2, Identity Access Management, and Cloud Formation Understand SageMaker, Amazon Comprehend, and Amazon Forecast Execute live projects: from the pre-processing phase to deployment on AWS Who This Book Is For Machine learning engineers who want to learn AWS machine learning services, and acquire an AWS machine learning specialty certification Discover techniques and tools for building serverless applications with AWS Key Features Get well-versed with building and deploying serverless APIs with microservices Learn to build distributed applications and microservices with AWS Step Functions A step-by-step guide that will get you up and running with building and managing applications on the AWS platform Book Description Amazon Web Services (AWS) is the most popular and widely-used cloud platform. Administering and deploying application on AWS makes the applications resilient and robust. The main focus of the book is to cover the basic concepts of cloud-based development followed by running solutions in AWS Cloud, which will help the solutions run at scale. This book not only guides you through the trade-offs and ideas behind efficient cloud applications, but is a comprehensive guide to getting the most out of AWS. In the first section, you will begin by looking at the key concepts of AWS, setting up your AWS account, and operating it. This guide also covers cloud service models, which will help you build highly scalable and secure applications on the AWS platform. We will then dive deep into concepts of cloud computing with S3 storage, RDS and EC2. Next, this book will walk you through VPC, building realtime serverless environments, and deploying serverless APIs with microservices. Finally, this book will teach you to monitor your applications, and automate your infrastructure and deploy with CloudFormation. By the end of this book, you will be well-versed with the various services that AWS provides and will be able to leverage AWS infrastructure to accelerate the development process. What you will learn Set up your AWS account and get started with the basic concepts of AWS Learn about AWS terminology and identity access management Acquaint yourself with important elements of the cloud with features such as computing, ELB, and VPC Back up your database and ensure high availability by having an understanding of database-related services in the AWS cloud Integrate AWS services with your application to meet and exceed non-functional requirements Create and automate infrastructure to design cost-effective, highly available applications Who this book is for If you are an I.T. professional or a system architect who wants to improve infrastructure using AWS, then this book is for you. It is also for programmers who are new to AWS and want to build highly efficient, scalable applications. Succeed on the AWS Machine Learning exam or in your next job as a machine learning specialist on the AWS Cloud platform with this hands-on guide As the most popular cloud service in the world today, Amazon Web Services offers a wide range of opportunities for those interested in the development and deployment of artificial intelligence and machine learning business solutions. The AWS Certified Machine Learning Study Guide: Specialty (MLS-CO1) Exam delivers hyper-focused, authoritative instruction for anyone considering the pursuit of the prestigious Amazon Web Services Machine Learning certification or a new career as a machine learning specialist working within the AWS architecture. From exam to interview to your first day on the job, this study guide provides the domain-by-domain specific knowledge you need to build, train, tune, and deploy machine learning models with the AWS Cloud. And with the practice exams and assessments, electronic flashcards, and supplementary online resources that accompany this Study Guide, you'll be prepared for success in every subject area covered by the exam. You'll also find: An intuitive and organized layout perfect for anyone taking the exam for the first time or seasoned professionals seeking a refresher on machine learning on the AWS Cloud Authoritative instruction on a widely recognized certification that unlocks countless career opportunities in machine learning and data science Access to the Sybex online learning resources and test bank, with chapter review questions, a full-length practice exam, hundreds of electronic flashcards, and a glossary of key terms AWS Certified Machine Learning Study Guide: Specialty (MLS-CO1) Exam is an indispensable guide for anyone seeking to prepare themselves for success on the AWS Certified Machine Learning Specialty exam or for a job interview in the field of machine learning, or who wishes to improve their skills in the field as they pursue a career in AWS machine learning. The missing expert-led manual for the AWS ecosystem — go from foundations to building data engineering pipelines effortlessly Purchase of the print or Kindle book includes a free eBook in the PDF format. Key Features Learn about common data architectures and modern approaches to generating value from big data Explore AWS tools for ingesting, transforming, and consuming data, and for orchestrating pipelines Learn how to architect and implement data lakes and data lakehouses for big data analytics from a data lakes expert Book Description Written by a Senior Data Architect with over twenty-five years of experience in the business, Data Engineering for AWS is a book whose sole aim is to make you proficient in using the AWS ecosystem. Using a thorough and hands-on approach to data, this book will give aspiring and new data engineers a solid theoretical and practical foundation to succeed with AWS. As you progress, you'll be taken through the services and the skills

you need to architect and implement data pipelines on AWS. You'll begin by reviewing important data engineering concepts and some of the core AWS services that form a part of the data engineer's toolkit. You'll then architect a data pipeline, review raw data sources, transform the data, and learn how the transformed data is used by various data consumers. You'll also learn about populating data marts and data warehouses along with how a data lakehouse fits into the picture. Later, you'll be introduced to AWS tools for analyzing data, including those for ad-hoc SQL queries and creating visualizations. In the final chapters, you'll understand how the power of machine learning and artificial intelligence can be used to draw new insights from data. By the end of this AWS book, you'll be able to carry out data engineering tasks and implement a data pipeline on AWS independently. What you will learn

Understand data engineering concepts and emerging technologies
Ingest streaming data with Amazon Kinesis Data Firehose
Optimize, denormalize, and join datasets with AWS Glue
Studio Use Amazon S3 events to trigger a Lambda process to transform a file
Run complex SQL queries on data lake data using Amazon Athena
Load data into a Redshift data warehouse and run queries
Create a visualization of your data using Amazon QuickSight
Extract sentiment data from a dataset using Amazon Comprehend

Who this book is for
This book is for data engineers, data analysts, and data architects who are new to AWS and looking to extend their skills to the AWS cloud. Anyone new to data engineering who wants to learn about the foundational concepts while gaining practical experience with common data engineering services on AWS will also find this book useful. A basic understanding of big data-related topics and Python coding will help you get the most out of this book but it's not a prerequisite. Familiarity with the AWS console and core services will also help you follow along.

Summary
Amazon Web Services in Action, Second Edition is a comprehensive introduction to computing, storing, and networking in the AWS cloud. You'll find clear, relevant coverage of all the essential AWS services you to know, emphasizing best practices for security, high availability and scalability. Foreword by Ben Whaley, AWS community hero and author. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

About the Technology
The largest and most mature of the cloud platforms, AWS offers over 100 prebuilt services, practically limitless compute resources, bottomless secure storage, as well as top-notch automation capabilities. This book shows you how to develop, host, and manage applications on AWS.

About the Book
Amazon Web Services in Action, Second Edition is a comprehensive introduction to deploying web applications in the AWS cloud. You'll find clear, relevant coverage of all essential AWS services, with a focus on automation, security, high availability, and scalability. This thoroughly revised edition covers the latest additions to AWS, including serverless infrastructure with AWS Lambda, sharing data with EFS, and in-memory storage with ElastiCache.

What's inside
Completely revised bestseller
Secure and scale distributed applications
Deploy applications on AWS
Design for failure to achieve high availability
Automate your infrastructure

About the Reader
Written for mid-level developers and DevOps engineers.

About the Author
Andreas Wittig and Michael Wittig are software engineers and DevOps consultants focused on AWS. Together, they migrated the first bank in Germany to AWS in 2013.

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Learn from the AWS subject-matter experts, apply real-world scenarios and clear the AWS Certified Solutions Architect - Associate exam

Key Features
Build highly reliable and scalable workloads on the AWS platform
Pass the exam in less time and with confidence
Get up and running with building and managing applications on the AWS platform

Book Description
Amazon Web Services (AWS) is currently the leader in the public cloud market. With an increasing global interest in leveraging cloud infrastructure, the AWS Cloud from Amazon offers a cutting-edge platform for architecting, building, and deploying web-scale cloud applications. As more the rate of cloud platform adoption increases, so does the need for cloud certification. The AWS Certified Solution Architect - Associate Guide is your one-stop solution to gaining certification. Once you have grasped what AWS and its prerequisites are, you will get insights into different types of AWS services such as Amazon S3, EC2, VPC, SNS, and more to get you prepared with core Amazon services. You will then move on to understanding how to design and deploy highly scalable applications. Finally, you will study security concepts along with the AWS best practices and mock papers to test your knowledge. By the end of this book, you will not only be fully prepared to pass the AWS Certified Solutions Architect - Associate exam but also capable of building secure and reliable applications. What you will learn

Explore AWS terminology and identity and access management
Acquaint yourself with important cloud services and features in categories such as compute, network, storage, and databases
Define access control to secure AWS resources and set up efficient monitoring
Back up your database and ensure high availability by understanding all of the database-related services in the AWS Cloud
Integrate AWS with your applications to meet and exceed non-functional requirements
Build and deploy cost-effective and highly available applications

Who this book is for
The AWS Certified Solutions Architect - Associate Guide is for you if you are an IT professional or Solutions Architect wanting to pass the AWS Certified Solution Architect - Associate 2018 exam. This book is also for developers looking to start building scalable applications on AWS

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
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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. Master the intricacies of Amazon Web Services and efficiently prepare for the SAA-C02 Exam with this comprehensive study guide AWS Certified Solutions Study Guide: Associate (SAA-C02) Exam, Third Edition comprehensively and efficiently prepares you for the SAA-C02 Exam. The study guide contains robust and effective study tools that will help you succeed on the exam. The guide grants you access to the regularly updated Sybex online learning environment and test bank, which contains hundreds of test questions, bonus practice exams, electronic flashcards, and a glossary of key terms. In this study guide, accomplished and experienced authors Ben Piper and David Clinton show you how to: Design resilient architectures Create high-performing architectures Craft secure applications and architectures Design cost-optimized architectures Perfect for anyone who hopes to begin a new career as an Amazon Web Services cloud professional, the study guide also belongs on the bookshelf of any existing AWS professional who wants to brush up on the fundamentals of their profession. The AWS Certified Solutions Architect Study Guide: Associate (SAA-C01) Exam is your complete and fully updated resource to the AWS Solutions Architect - Associate certification. This invaluable Sybex study guide covers all relevant aspects of the AWS Solutions Architect job role, including mapping multi-tier architectures to AWS services, loose coupling and stateless systems, applying AWS security features, deploying and managing services, designing large scale distributed systems, and many more. Written by two AWS subject-matter experts, this self-study guide and reference provides all the tools and information necessary to master the exam, earn your certification, and gain insights into the job of an AWS Solutions Architect. Efficient and logical presentation of exam objectives allows for flexible study of topics, and powerful learning tools increase comprehension and retention of key exam elements. Practice questions, chapter reviews, and detailed examination of essential concepts fully prepare you for the AWS Solutions Architect – Associate certification. The certification is highly valued in IT and cloud computing professionals. Now in a new edition—reflecting the latest changes, additions, and updates to the AWS Solutions Architect – Associate certification exam guide—this book is your complete, one-stop resource: Access the Sybex interactive learning environment and test bank, including chapter tests, practice exams, electronic flashcards, and a searchable glossary of key terms. Learn all the components of the AWS exam and know what to expect on exam day Review challenging exam topics and focus on the areas that need improvement Expand your AWS skillset and keep pace with current cloud computing technologies The AWS Certified Solutions Architect Study Guide: Associate (SAA-C01) Exam enables you to validate your skills, increase your competitive advantage, and take the next step on your career path. Comprehensive and up-to-date content and superior study tools make this guide a must-have resource for those seeking AWS Solutions Architect – Associate certification. 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 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. Everything You Need to Know to Qualify AWS Exams Do you want to become Amazon Web Services Certified? Do you want to uplift your career by passing AWS certifications? If you answered "yes" to any of these, then this is the perfect, educational and informational book for you! Hello! Welcome to "ALL IN ONE AWS Certified". Amazon Web Services (AWS) is now the leader in the world of information technology. With an increasing global interest in leveraging cloud infrastructure, the AWS Cloud from Amazon offers a cutting-edge platform for architecting, building, and deploying web-scale cloud applications. Amazon Web Services (AWS) Certification is fast becoming the must-have certificates for any IT

professional working with AWS. This is your opportunity to take the next step in your career by expanding and validating your skills through AWS certifications. 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. Amazon Web Services (AWS) Certification is fast becoming the must-have certificates for any IT professional working with AWS. Comprehensive and up-to-date content and excellent study tools make this guide a must-have resource for those seeking AWS certifications. This guide is designed to help you pass the exam with ease. This definitive volume also serves as an essential on-the-job reference. Here's what makes this book special: Explore AWS terminology and identity and access management. Become Intimately Familiar with The AWS Platform. Detailed explanation of answers. 100% verified answers and explanations to each question. By the end of this book you will be prepared to take the AWS Exams. Finishing this book will provide you a complete understanding and deep knowledge of all the tools. Much, much more! Interested? Then Scroll up, Click on "Buy now with 1-Click", and Get Your Copy Now! Also you will get a 50% discount on the simulator! Build, deploy, test, and run cloud-native serverless applications using AWS Lambda and other popular AWS services. Key Features: Learn how to write, run, and deploy serverless applications in Amazon Web Services. Make the most of AWS Lambda functions to build scalable and cost-efficient systems. Build and deploy serverless applications with Amazon API Gateway and AWS Lambda functions. Book Description: Serverless computing is a way to run your code without having to provision or manage servers. Amazon Web Services provides serverless services that you can use to build and deploy cloud-native applications. Starting with the basics of AWS Lambda, this book takes you through combining Lambda with other services from AWS, such as Amazon API Gateway, Amazon DynamoDB, and Amazon Step Functions. You'll learn how to write, run, and test Lambda functions using examples in Node.js, Java, Python, and C# before you move on to developing and deploying serverless APIs efficiently using the Serverless Framework. In the concluding chapters, you'll discover tips and best practices for leveraging Serverless Framework to increase your development productivity. By the end of this book, you'll have become well-versed in building, securing, and running serverless applications using Amazon API Gateway and AWS Lambda without having to manage any servers. What you will learn: Understand the core concepts of serverless computing in AWS. Create your own AWS Lambda functions and build serverless APIs using Amazon API Gateway. Explore best practices for developing serverless applications at scale using Serverless Framework. Discover the DevOps patterns in a modern CI/CD pipeline with AWS CodePipeline. Build serverless data processing jobs to extract, transform, and load data. Enforce resource tagging policies with continuous compliance and AWS Config. Create chatbots with natural language understanding to perform automated tasks. Who this book is for: This AWS book is for cloud architects and developers who want to build and deploy serverless applications using AWS Lambda. A basic understanding of AWS is required to get the most out of this book. This book is a guide to AWS (Amazon Web Services). It begins by guiding you on how to perform error retries. Sometimes, requests made to AWS may fail, and this calls for you to retry sending the requests. However, you should make the maximum number of retries and some other parameters. These are discussed in this book. The best security credentials for use in AWS are examined, so you will know the best practices for ensuring that these are secure. The AWS requests also need to be signed, which is a good way for ensuring that the requests are not tampered with while in transit. This book guides you on how to sign both AWS requests and the AWS API requests. You will also learn how to verify whether the request was interfered with or not on the receiving end. The ARN (Amazon Resource Name) and namespaces, which are used for the purpose of uniquely identifying resources are explored in this book. The process of using Unbound guidelines for the purpose of auditing the security of your AWS services is also discussed. The book also provides you with a guide on how to set up DNS Resolution between AWS and On-Premises Networks. The following topics are discussed in this book: - Error Retries in AWS - AWS Security Credentials - Setting Up DNS Resolution Between AWS and On-Premises Networks Using Unbound - Guidelines for Security Audit - AWS Service Namespace and Amazon Resource Names (ARN) - How to Sign AWS API Requests. Learn to use AWS IoT services to build your connected applications with the help of this comprehensive guide. Key Features: Gets you started with AWS IoT and its functionalities. Learn different modules of AWS IoT with practical use cases. Learn to secure your IoT communication. Book Description: The Internet of Things market increased a lot in the past few years and IoT development and its adoption have showed an upward trend. Analysis and predictions say that Enterprise IoT platforms are the future of IoT. AWS IoT is currently leading the market with its wide range of device support SDKs and versatile management console. This book initially introduces you to the IoT platforms, and how it makes our IoT development easy. It then covers the complete AWS IoT Suite and how it can be used to develop secure communication between internet-connected things such as sensors, actuators, embedded devices, smart applications, and so on. The book also covers the various modules of AWS: AWS Greengrass, AWS device SDKs, AWS IoT Platform, AWS Button, AWS Management consoles, AWS-related CLI, and API references, all with practical use cases. Near the end, the book supplies security-related best practices to make bi-directional communication more secure. When you've finished this book, you'll be up-and-running with the AWS IoT Suite, and building IoT projects. What you will learn: Implement AWS IoT on IoT projects. Learn the technical capabilities of AWS IoT and IoT devices. Create IoT-based AWS IoT projects. Choose IoT devices and AWS IoT platforms to use based on the kind of project you need to build. Deploy AWS Greengrass and AWS Lambda. Develop program for AWS IoT Button. Visualize IoT AWS data. Build predictive analytics using AWS IoT and AWS Machine Learning. Who this book is for: This book is for anyone who wants to get started with the AWS IoT Suite and implement it with practical use cases. This book acts as an extensive guide, on completion of which you will be in a position to start building IoT projects using AWS IoT platform and using cloud services for your projects. 11.5+ Hours of Video Instruction. AWS leads the world in cloud computing and big data. This course offers the complete package to help practitioners master the core skills and competencies needed to build successful, high-value big data applications, with a clear path toward passing the certification exam AWS Certified Big Data - Specialty. This course provides a solid foundation in all areas required to pass the AWS Certified Big Data Specialty Exam-including Collection, Storage, Processing, Analysis, Visualization, and Data Security. In addition, multiple quizzes and a practice exam prepare the student for the formal Certification Exam administered by AWS. Download Project Code from GitHub. Download Code From GitHub. Description: This course provides case study-based training, designed completely around Jupyter notebook-based learning using only AWS big data technologies. Every exercise shown in this video can be run interactively by the students watching. The material exclusively focuses on AWS, with the goal of building enough foundation that the learner can achieve certification. Most companies struggle with widely varied, high-volume, and fast-moving data. After years of hype around big data, tools and infrastructure have improved to the point where companies are way beyond pilot projects and proofs-of-concept. Big data, where

parallel processing is needed just to do the work, is the new normal. AWS leads the world in cloud computing and big data. This course offers a clear path toward certification by AWS on Big Data solutions, which is needed in a competitive job market. This course fills a known gap in this rapidly growing space. Skill Level Intermediate level developers What You Will Learn Students will: Learn how to perform collection tasks on AWS Learn how to use the appropriate storage solution for Big Data on AWS Learn how to perform processing tasks on the AWS platform Learn how to couple Visualization, Analysis, and Data Security to reason about Big Data on AWS Learn how to think about the AWS Big Data Certification exam to optimize for the best outcome. Who Should Take This Course You are a DevOps Engineer who wants to understand how to operationalize Big Data workloads. You are a Software Engineer who wants to master Big Data terminology and practices on AWS. You are a Machine Learning Engineer who wants to solidify their knowledge of AWS Big Data practices. You are a Product Manager who needs to understand the AWS Big Data lifecycle... This book is targeted at expert programmers and architects wanting to learn AWS. Some familiarity with Spring, MySQL, and RESTful web services is assumed. With this practical book, AI and machine learning practitioners will learn how to successfully build and deploy data science projects on Amazon Web Services. The Amazon AI and machine learning stack unifies data science, data engineering, and application development to help level up your skills. This guide shows you how to build and run pipelines in the cloud, then integrate the results into applications in minutes instead of days. Throughout the book, authors Chris Fregly and Antje Barth demonstrate how to reduce cost and improve performance. Apply the Amazon AI and ML stack to real-world use cases for natural language processing, computer vision, fraud detection, conversational devices, and more Use automated machine learning to implement a specific subset of use cases with SageMaker Autopilot Dive deep into the complete model development lifecycle for a BERT-based NLP use case including data ingestion, analysis, model training, and deployment Tie everything together into a repeatable machine learning operations pipeline Explore real-time ML, anomaly detection, and streaming analytics on data streams with Amazon Kinesis and Managed Streaming for Apache Kafka Learn security best practices for data science projects and workflows including identity and access management, authentication, authorization, and more Welcome to AWS Certification Machine Learning Specialty (MLS-C01) Practice Exams! This book is designed to help you prepare for the AWS Certified Machine Learning - Specialty (MLS-C01) exam and earn your AWS certification. The AWS Certified Machine Learning - Specialty (MLS-C01) exam is designed for individuals who have a strong understanding of machine learning concepts and techniques, and who can design, build, and deploy machine learning models on the AWS platform. In this book, you will find a series of practice exams that are designed to mimic the format and content of the actual MLS-C01 exam. Each practice exam includes a set of multiple choice and multiple response questions that cover a range of topics, including machine learning concepts, techniques, and algorithms, as well as the AWS services and tools used to build and deploy machine learning models. By working through these practice exams, you can test your knowledge, identify areas where you need further study, and gain confidence in your ability to pass the MLS-C01 exam. Whether you are a machine learning professional looking to earn your AWS certification or a student preparing for a career in machine learning, this book is an essential resource for your exam preparation. AWS has created the Certified Machine Learning Specialty (MLS-C01) to assess your ability to identify and solve business problems through machine learning. Passing this exam validates that you have the skills to design, develop, and deploy machine learning models. The AWS Certified Machine Learning Specialty (MLS-C01) Practice Exams will help you prepare for the exam by providing an in-depth review of the exam's content, and by giving you the opportunity to practice your skills. The book covers: Machine Learning Basics and Advanced Concepts via Q&A, Natural Language Processing Quiz, and SageMaker. The Machine Learning Basics and Advanced Concepts section includes questions on topics such as linear regression, decision trees, boosting, Bayesian inference, and deep learning. The Natural Language Processing Quiz covers questions on topics such as part-of-speech tagging, sentiment analysis, and named entity recognition. The SageMaker section includes questions on how to use SageMaker for data pre-processing, model training and tuning, deploying models into a production environment, and troubleshooting. In addition to the basic and advanced machine learning concepts of the practice exams, there is also a section on Exploratory Data Analysis Quiz covering questions on topics such as data visualization, dimensionality reduction techniques, clustering algorithms, and time series analysis. The Modeling Quiz section includes questions on supervised learning algorithms (linear regression, logistic regression,...), unsupervised learning algorithms (k-means clustering,...), reinforcement learning algorithms (Q-learning,...), and dropout methods. Finally, the Machine Learning Implementation and Operations Quiz covers practical questions on topics such as setting up a development environment for machine learning applications, parameter tuning techniques, monitoring machine learning models in production, and handling errors in machine learning applications. 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 Data Analytics Study Guide to give you the same experience working in these labs as you prepare for the Certified Data Analytics 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 Data Analyst. AWS Certified Data Analytics Study Guide: Specialty (DAS-C01) Exam is intended for individuals who perform in a data analytics-focused role. This UPDATED exam validates an examinee's comprehensive understanding of using AWS services to design, build, secure, and maintain analytics solutions that provide insight from data. It assesses an examinee's ability to define AWS data analytics services and understand how they integrate with each other; and explain how AWS data analytics services fit in the data lifecycle of collection, storage, processing, and visualization. The book focuses on the following domains: • Collection • Storage and Data Management • Processing • Analysis and Visualization • Data Security This is your opportunity to take the next step in your career by expanding and validating your skills on the AWS cloud. AWS is the frontrunner in cloud computing products and services, and the AWS Certified Data Analytics Study Guide: Specialty exam will get you fully prepared through expert content, and real-world knowledge, key exam essentials, chapter review questions, and much more. Written by an AWS subject-matter expert, this study guide covers exam concepts, and provides key review on exam topics. Readers will also have access to Sybex's superior online interactive learning environment and test bank, including chapter tests, practice exams, a glossary of key terms, and electronic flashcards. And included with this version of the book, XtremeLabs virtual labs that run from your browser. The registration code is included with the book and gives you 6 months of unlimited access to XtremeLabs AWS Certified Data Analytics Labs with 3 unique lab modules based on the book. The official study guide for the AWS certification specialty exam The AWS Certified Advanced Networking Official Study Guide – Specialty Exam helps to ensure your preparation for the AWS Certified Advanced Networking – Specialty Exam. Expert review of AWS fundamentals align with the exam objectives, and

detailed explanations of key exam topics merge with real-world scenarios to help you build the robust knowledge base you need to succeed on the exam—and in the field as an AWS Certified Networking specialist. Coverage includes the design, implementation, and deployment of cloud-based solutions; core AWS services implementation and knowledge of architectural best practices; AWS service architecture design and maintenance; networking automation; and more. You also get one year of free access to Sybex's online interactive learning environment and study tools, which features flashcards, a glossary, chapter tests, practice exams, and a test bank to help you track your progress and gauge your readiness as exam day grows near. The AWS credential validates your skills surrounding AWS and hybrid IT network architectures at scale. The exam assumes existing competency with advanced networking tasks, and assesses your ability to apply deep technical knowledge to the design and implementation of AWS services. This book provides comprehensive review and extensive opportunities for practice, so you can polish your skills and approach exam day with confidence. Study key exam essentials with expert insight Understand how AWS skills translate to real-world solutions Test your knowledge with challenging review questions Access online study tools, chapter tests, practice exams, and more Technical expertise in cloud computing, using AWS, is in high demand, and the AWS certification shows employers that you have the knowledge and skills needed to deliver practical, forward-looking cloud-based solutions. The AWS Certified Advanced Networking Official Study Guide – Specialty Exam helps you learn what you need to take this next big step for your career. Your #1 all-in-one reference and exam Study Guide for the UPDATED AWS SysOps Administrator certification! This comprehensive book guides readers through the role of a SysOps Administrator and helps prepare candidates to take the updated AWS Certified SysOps Administrator—Associate (SOA-C01) Exam. The AWS Certified SysOps Administrator—Associate certification validates technical expertise in deployment, management, and operations on the AWS platform. This Study Guide not only prepares readers for the AWS exam, but it makes sure the reader is ready to perform the duties expected of SysOps Administrators. The book focuses on the skill-set required of AWS professionals by filling in the gap between test preparation and real-world preparedness. Concepts covered include: Monitoring and Reporting High Availability Deployment and Provisioning Storage and Data Management Security and Compliance Networking Automation and Optimization And More Readers will also have one year of free access to the Sybex interactive online learning environment and test bank, providing a suite of robust study tools including an assessment test, chapter tests, bonus practice exam, electronic flashcards, and a glossary of key terms. This friendly, fast-paced guide is perfect for anyone puzzled by the cloud! Learn the fundamentals of Amazon Web Services, and be ready to ace your AWS Certified Cloud Practitioner Exam. In AWS for Non-engineers you will learn: How cloud computing and AWS are different from “legacy” systems Prepare for the AWS Certified Cloud Practitioner Exam When cloud computing is the right option for your organization Core AWS services including storage services, database services, and security services How billing and pricing work on AWS, and how to pick for your budget Security and compliance concepts for building in AWS AWS for Non-engineers is for anyone just starting with Amazon Web Services or cloud computing in general—whether you're in customer service, marketing, or management. It's written by Hiroko Nishimura, and is based on her acclaimed video courses that have been taken by over 300,000 learners. In this reader-friendly book, you'll learn how to talk about cloud concepts with engineers, what the cloud could do for your business, and how to start using AWS's amazing services for your own IT tasks. When you're finished, you'll be comfortable with the basics of cloud computing on AWS and you'll be prepared to take the AWS Certified Cloud Practitioner Exam! About the technology Millions of companies use Amazon Web Services (AWS) to share documents, run business applications, and store important data. Learning the basics of AWS is a required skill, and this book makes it easy! There's no geeky jargon nor complex code—just crystal-clear explanations of the AWS features you'll use every day. You'll even get tips on how to pass the entry-level AWS Certified Cloud Practitioner Exam! About the book AWS for Non-engineers is an absolute beginner's guide to Amazon Web Services, the leading cloud computing platform. In this short, practical guide, you'll find a beginner-friendly introduction to cloud computing concepts and how the cloud can be used. Learn how to log in to AWS, get to the apps and files you need, and safely share documents and data. You'll even get the vocabulary you need to talk about AWS with developers and administrators. What's inside Core AWS services for files, databases, and security How billing and pricing work on AWS Security and compliance concepts Pass the AWS Certified Cloud Practitioner Exam About the reader For absolute beginners to the cloud! No IT experience required. About the author Hiroko Nishimura created the popular “Introduction to AWS for Non-Engineers” LinkedIn Learning video course. She is an AWS Community Hero for her work in making AWS more accessible to people from diverse backgrounds. Table of Contents 1 Introduction to cloud computing and Amazon Web Services 2 Introduction to cloud concepts 3 Deploying and operating in AWS global infrastructure 4 Core AWS services 5 Security and compliance 6 Billing and pricing 7 AWS Certified Cloud Practitioner exam (CLF-C01) 55% OFF for bookstores! NOW at \$ 40,95 instead of \$ 52,95! If you want to learn AWS, there's no better time than right now. There are plenty of opportunities to work or start your own company if you have AWS certification. Your Customers Never Stop to Use this Awesome Book! Amazon Web Services (AWS) Introduction to Famous Amazon Web Services is a robust cloud platform developed by Amazon's e-commerce giant. It offers software-as-a-Service (SaaS), platform-as-a-Service (PaaS), and infrastructure-as-a-Service (IaaS) services. Think about the history of the electricity supply to grasp the logic of AWS. This bundle will help you to learn, prepare, and practice for AWS Certified Cloud Practitioner (CLF-C01) exam and AWS Certified Solutions Architect Associate (SAA-C02) Exam. Each chapter includes review questions to thoroughly test your understanding of the services you've seen. I've designed the questions to help you realistically gauge your understanding and readiness for the exam. Although the difficulty level will vary between questions, you can be sure there's no "fluff". Once you complete a chapter's assessment, refer to "answer to review questions" for the correct answers and detailed explanations Bundle consist of the following: Book 1: AWS CERTIFIED CLOUD PRACTITIONER STUDY GUIDE - Cloud Concepts; - Security; - Technology; - Billing and pricing; - AWS Services. Book 2: AWS CERTIFIED SOLUTIONS ARCHITECT ASSOCIATE STUDY GUIDE - Networking - Content delivery - Databases - Application integration - AWS security, identity & compliance And Much More! ? If you are interested in mastering AWS services and Cloud concepts, this book is perfect for you! Buy it NOW and let your customers get addicted to this amazing book