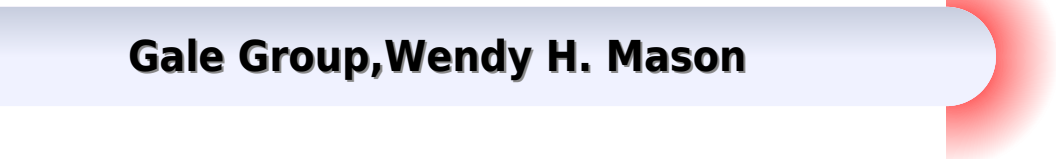




# The Ultimate Guide to Amazon Marketing

# Amazon Guide

**Gale Group, Wendy H. Mason**



## Amazon Guide:

**Amazon DynamoDB - The Definitive Guide** Aman Dhingra, Mike Mackay, 2024-08-30 Harness the potential and scalability of DynamoDB to effortlessly construct resilient low latency databases Key Features Discover how DynamoDB works behind the scenes to make the most of its features Learn how to keep latency and costs minimal even when scaling up Integrate DynamoDB with other AWS services to create a full data analytics system Purchase of the print or Kindle book includes a free PDF eBook Book Description This book will help you master Amazon DynamoDB the fully managed serverless NoSQL database service designed for high performance at any scale Authored by Aman Dhingra senior DynamoDB specialist solutions architect at AWS and Mike Mackay former senior NoSQL specialist solutions architect at AWS this guide draws on their expertise to equip you with the knowledge and skills needed to harness DynamoDB's full potential This book not only introduces you to DynamoDB's core features and real world applications but also provides in depth guidance on transitioning from traditional relational databases to the NoSQL world You'll learn essential data modeling techniques such as vertical partitioning and explore the nuances of DynamoDB's indexing capabilities capacity modes and consistency models The chapters also help you gain a solid understanding of advanced topics such as enhanced analytical patterns implementing caching with DynamoDB Accelerator DAX and integrating DynamoDB with other AWS services to optimize your data strategies By the end of this book you'll be able to design build and deliver low latency high throughput DynamoDB solutions driving new levels of efficiency and performance for your applications What you will learn Master key value data modeling in DynamoDB for efficiency Transition from RDBMSs to NoSQL with optimized strategies Implement read consistency and ACID transactions effectively Explore vertical partitioning for specific data access patterns Optimize data retrieval using secondary indexes in DynamoDB Manage capacity modes backup strategies and core components Enhance DynamoDB with caching analytics and global tables Evaluate and design your DynamoDB migration strategy Who this book is for This book is for software architects designing scalable systems developers optimizing performance with DynamoDB and engineering managers guiding decision making Data engineers will learn to integrate DynamoDB into workflows while product owners will explore its innovative capabilities DBAs transitioning to NoSQL will find valuable insights on DynamoDB and RDBMS integration Basic knowledge of software engineering Python and cloud computing is helpful Hands on AWS or DynamoDB experience is beneficial but not required *AWS Certified Database Study Guide* Matheus Arrais, Rene Martinez Bravet, Leonardo Ciccone, Angie Nobre Cocharero, Erika Kurauchi, Hugo Rozestraten, 2023-04-12 Validate your AWS Cloud database skills AWS Certified Database Study Guide Specialty DBS C01 Exam focuses on helping you to understand the basic job role of a database administrator architect and to prepare for taking the certification exam This is your opportunity to take the next step in your career by expanding and validating your skills on the AWS Cloud and performing a database focused role AWS is the frontrunner in cloud computing products and services and this study guide will help you to gain an

understanding of core AWS services uses and basic AWS database design and deployment best practices AWS offers more than relational and nonrelational databases they offer purpose built databases which allow you to utilize database services prebuilt to meet your business requirements If you are looking to take the Specialty DBS C01 exam this Study 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 AWS Certified Database certification offers a great way for IT professionals to achieve industry recognition as cloud experts This new study guide is perfect for you if you perform a database focused role and want to pass the DBS C01 exam to prove your knowledge of how to design and deploy secure and robust database applications on AWS technologies IT cloud professionals who hold AWS certifications are in great demand and this certification could take your career to the next level Master all the key concepts you need to pass the AWS Certified Database Specialty DBS C01 Exam Further your career by demonstrating your cloud computing expertise and your knowledge of databases and database services Understand the concept of purpose built databases allowing you to pick the right tool for the right job Review deployment and migration management and operations monitoring and troubleshooting database security and more Access the Sybex online learning environment and test bank for interactive study aids and practice questions Readers will also get one year of FREE access after activation to Sybex's superior online interactive learning environment and test bank including hundreds of questions a practice exam electronic flashcards and a glossary of key terms

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what you need for comprehensive content and robust study tools that will help you gain the edge on exam day and throughout your career

*AWS Certified Developer Official Study Guide, Associate Exam* Nick Alteen, Jennifer Fisher, Casey Gerena, Wes Gruver, Asim Jalis, Heiwad Osman, Marife Pagan, Santosh Patlolla, Michael Roth, 2019-08-23 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

*The Rough Guide to Brazil* Clemmy Manzo, 2014-10-01 The new full colour Rough Guide to Brazil is the definitive travel guide to this captivating country In depth coverage of its diverse wildlife dynamic cities and exhilarating scenery think lush rainforest thundering waterfalls and the world s best beaches takes you to the most rewarding spots with stunning colour photography bringing everything to life Discover Brazil s highlights jaguar spotting in the Pantanal wetlands historic colonial towns pearly white beaches the kaleidoscopic Rio Carnival Amazonian ecolodges and the futuristic architecture of Bras lia Easy to use maps reliable advice on how to get around and insider reviews of the best hotels restaurants bars clubs and shops for all budgets ensure that you won t miss a thing Make the most of your time on Earth with The Rough Guide to Brazil now available in ePub format

**AWS Certified SysOps Administrator Official Study Guide** Stephen Cole, Gareth Digby, Chris Fitch, Steve Friedberg, Shaun Qualheim, Jerry Rhoads, Michael Roth, Blaine Sundrud, 2017-09-19 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

Ultimate AWS Certified Solutions Architect Associate Exam Guide Venkata Sasi Kanumuri,Otieno Ododa,2024-09-25 TAGLINE Your Definitive Path to Mastering Cloud Architecture Skills and Conquering the SAA C03 Exam KEY FEATURES Immerse in practical learning to solidify your grasp of AWS architecture principles Gain insights from industry leading tips and best practices to think like an expert Solution Architect Designed for all experience levels this guide caters to both beginners and seasoned professionals Deepen your knowledge of core AWS services while exploring advanced topics like serverless computing containers and machine learning Equip yourself with proven strategies and expert tips to confidently pass the AWS Certified Solutions Architect Associate exam DESCRIPTION The AWS Certified Solutions Architect Associate SAA C03 credential boosts career prospects and salaries with 73% of professionals seeing job improvements and a 26% salary increase The Ultimate AWS Certified Solutions Architect Associate SAA C03 Certification Guide equips you with the knowledge to master AWS architecture from core services to advanced topics like serverless computing and machine learning with practical examples and expert insights that are crucial for passing the exam and excelling in real world applications This book not only covers the fundamentals but also explores advanced topics like serverless computing containers and machine learning Each chapter is packed with practical examples real world scenarios hands on exercises and expert insights that will build your confidence and competence as a cloud architect With this guide you will gain the knowledge and skills needed to create highly available fault tolerant

architectures that meet the demands of today's dynamic cloud environments Whether you are aiming to pass the AWS Certified Solutions Architect Associate exam or looking to enhance your cloud architecture skills this book is your gateway to success Take the first step towards becoming an AWS Certified Solutions Architect and unlock new horizons in your cloud architecture career today **WHAT WILL YOU LEARN** Develop a strong grasp of cloud fundamentals essential for thriving in the fast paced world of cloud technology Learn to build secure fault tolerant and cost efficient AWS architectures that meet diverse business requirements Gain comprehensive knowledge of AWS services like computing storage networking and databases to create scalable and reliable cloud solutions Explore cutting edge AWS solutions such as serverless computing containers and machine learning to enhance your cloud architectures Develop the skills to tackle complex cloud environments with confidence using practical insights and strategies to solve real world problems Master expert tips and targeted strategies to excel in the AWS Certified Solutions Architect Associate SAA C03 exam and achieve certification **WHO IS THIS BOOK FOR** This book is tailored for aspiring AWS professionals and those looking to advance as Solution Architects with a focus on preparing for the SAA C03 exam No prior experience in cloud application development or deployment is required making it an ideal resource for beginners eager to start their AWS journey Experienced professionals will also find value in the comprehensive coverage and advanced topics ensuring they can refine their skills and achieve certification success **TABLE OF CONTENTS** 1 Introduction to Cloud Computing AWS and AWS SAA C 03 2 Identity and Access Management in AWS 3 Networking in AWS 4 Cloud Storage 5 Deep Dive into AWS Compute 6 Deep Dive Into AWS Databases 7 AWS Application Services 8 AWS Management and Governance Services 9 AWS Cloud Security 10 Cloud Architecture and AWS Framework 11 AWS SAA C 03 Certification Preparation Index      **AWS Certified SysOps**

**Administrator Study Guide** Jorge T. Negron,Christoffer Jones,George Sawyer,2024-04-17 Prepare for success on the AWS SysOps exam your next job interview and in the field with this handy and practical guide The newly updated Third Edition of AWS Certified SysOps Administrator Study Guide Associate SOA C02 Exam prepares you for the Amazon Web Services SysOps Administrator certification and a career in the deployment management and operation of an AWS environment Whether you re preparing for your first attempt at the challenging SOA C02 Exam or you want to upgrade your AWS SysOps skills this practical Study Guide delivers the hands on skills and best practices instruction you need to succeed on the test and in the field You ll get Coverage of all of the SOA C02 exam's domains including monitoring logging remediation reliability business continuity and more Instruction that's tailor made to achieve success on the certification exam in an AWS SysOps job interview and in your next role as a SysOps administrator Access to the Sybex online study tools with chapter review questions full length practice exams hundreds of electronic flashcards and a glossary of key terms The AWS Certified SysOps Administrator Study Guide Associate SOA C02 Exam includes all the digital and offline tools you need to supercharge your career as an AWS Certified SysOps Administrator      *AWS Certified Advanced Networking Official Study Guide* Sidhartha

Chauhan,James Devine,Alan Halachmi,Matt Lehwess,Nick Matthews,Steve Morad,Steve Seymour,2018-02-13 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 *AWS Certified Data Analytics Study Guide with Online Labs* Asif Abbasi,2021-04-13 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



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**AWS Certified SysOps Administrator Study Guide** Sara Perrott, Brett McLaughlin, 2020-02-24 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

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required is some basic experience with any one of several programming languages including VBA Visual Basic 6 Visual C 6 Visual Basic NET Visual C NET Java and PHP all of which are fully represented in the book's downloadable code

**AWS Certified SysOps Administrator Study Guide with Online Labs** Sara Perrott, Brett McLaughlin, 2020-07-21 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 SysOps Administrator Study Guide to give you the same experience working in these labs as you prepare for the Certified SysOps Administrator 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 SysOps Administrator 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 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 unlimited access to XtremeLabs AWS Certified SysOps Administrator Labs with 6 unique lab modules based on the book

**AWS Certified Solutions Architect - Associate Guide** Gabriel Ramirez, Stuart Scott, 2018-10-31 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

*Ultimate AWS Certified AI Practitioner (AIF-C01) Exam Guide* Gaurav H Kankaria, 2025-07-09

**TAGLINE** Your Complete Roadmap to AWS AI Practitioner Success Simplified Practical and Designed to Help You Pass with Confidence

**KEY FEATURES** Gain in depth knowledge of AWS AI services Generative AI and ethical considerations for business and technical use cases Master essential AWS AI ML tools to stay ahead in the evolving landscape of cloud based artificial intelligence solutions Prepare confidently with real world examples clear explanations and targeted exam questions for the AWS AI Practitioner certification

**DESCRIPTION** In today's AI powered world earning the AWS Certified AI Practitioner AIF C01 certification is a powerful way to validate your skills boost your credibility and stand out in the competitive cloud job market Ultimate AWS Certified AI Practitioner AIF C01 Exam Guide is a comprehensive beginner friendly roadmap for professionals students and decision makers looking to master AI and Machine Learning on AWS and crack the AIF C01 exam with confidence Covering everything from AI and ML fundamentals to core AWS services like SageMaker Bedrock and Rekognition this guide also explores Generative AI vision and language based AI use cases and practical tools for personalization security and governance You'll gain clarity on responsible AI principles learn to identify and mitigate bias and confidently navigate AWS best practices in ethics and compliance Each chapter offers real world examples exam strategies and practice questions designed to reinforce key concepts and simulate the exam environment Whether you're technical or non technical the content is simplified for easy understanding without sacrificing depth or relevance If you're serious about working in AI or cloud this certification isn't just a bonus it's becoming a must have Don't miss your chance to stay ahead of the curve master AWS AI and future proof your career now

**WHAT WILL YOU LEARN** Understand foundational concepts of AI Machine Learning and Generative AI for modern cloud applications Gain hands on experience with AWS AI ML services like SageMaker Bedrock and Rekognition to build intelligent solutions Learn to build train fine tune and deploy machine learning models using Amazon SageMaker Apply responsible AI practices by identifying and mitigating ethical risks biases and fairness issues in AI solutions Secure your AI workloads through AWS best practices in governance compliance and data protection Access targeted exam tips mock questions and real world examples to

confidently clear the AWS AI Practitioner certification WHO IS THIS BOOK FOR This book is ideal for aspiring AI cloud professionals tech sales teams business leaders and students seeking a foundational understanding of artificial intelligence using AWS Whether you re new to cloud or aiming to crack the AWS Certified AI Practitioner AIF C01 exam this guide equips you with the essential skills to succeed TABLE OF CONTENTS 1 Introduction to the AWS AI Practitioner Certification Exam 2 Overview of AI and ML on AWS 3 Core AWS Services and Tools for AI and ML 4 Introduction to Gen AI and AWS Gen AI Services 5 Key Use Cases of Generative AI on AWS 6 Building AI Solutions with Amazon SageMaker 7 Other AWS AI Services 8 Ethics Bias and Responsible AI Practices 9 Security and Governance Best Practices for AI 10 Exam Tips Practice Questions and the Future of AI Index

**The Rough Guide to Brazil** Oliver Marshall,Dilwyn Jenkins,David Cleary,2009-10-01 The Rough Guide to Brazil is the essential guide to one of South America s most tantalising destinations Detailed accounts of the best attractions Brazil has to offer along with the clearest maps and plans showcase this amazingly diverse country to aid both your trip planning and on the ground experience With expert advice and background it also details the famous Rio carnival the world s biggest rainforest the Amazon and the most fantastic wildlife and beaches whilst the guide itself is full of informative text on the practical and cultural nuances of visiting Brazil from wildlife safaris in the Pantanal to the concrete architecture of Brasilia Read about Brazil s football successes and find out more about the Capoeira music and culture that is expanding rapidly in popularity across Europe At every point the Rough Guide steers you in the right direction to find the best hotels in Brazil recommended Brazil restaurants cafes and shops across every price range giving you clear balanced reviews and honest first hand opinions Make the most of your holiday with The Rough Guide to Brazil

*Mastering AWS Serverless* Miguel A. Calles,2024-04-29 Master the art of designing and creating serverless architectures and applications KEY FEATURES Learn to create serverless applications that leverage serverless functions databases data stores and application programming interfaces Learn the serverless concepts needed to provide serverless solutions for websites mobile apps APIs backends notifications Artificial Intelligence and Machine Learning Create serverless event driven architectures and designs through hands on exercises throughout the book DESCRIPTION Serverless computing is relatively new compared to server based designs Amazon Web Services launched its serverless computing offering by introducing AWS Lambda Lambda has introduced a revolution in cloud computing where servers could be excluded from architectures and events could be used to trigger other resources The AWS serverless services have allowed developers startups and large enterprises to focus more on developing and creating features and spend less time managing and securing servers It covers key concepts like serverless architecture and AWS services You will learn to create event driven apps launch websites and build APIs with hands on exercises The book will explore storage options and data processing including serverless Machine Learning Discover best practices for architecture security and cost optimization The book will cover advanced topics like AWS SAM and Lambda layers for complex workflows Finally get guidance on creating new serverless apps and migrating

existing ones The knowledge gained from this book will help you create a serverless website application programming interface and backend In addition the information covered in the book will help you process and analyze data using a serverless design WHAT YOU WILL LEARN Creating a serverless website using Amazon S3 and CloudFront Creating a serverless API using Amazon API Gateway Create serverless functions with AWS Lambda Save data using Amazon DynamoDB and Amazon S3 Perform authentication and authorization with Amazon Cognito WHO THIS BOOK IS FOR The book targets professionals and students who want to gain experience in software development cloud computing web development data processing or Amazon Web Services It is ideal for cloud architects developers and backend engineers seeking to leverage serverless services for scalable and cost effective applications TABLE OF CONTENTS 1 Introduction to AWS Serverless 2 Overview of Serverless Applications 3 Designing Serverless Architectures 4 Launching a Website 5 Creating an API 6 Saving and Using Data 7 Adding Authentication and Authorization 8 Processing Data using Automation and Machine Learning 9 Sending Notifications 10 Additional Automation Topics 11 Architecture Best Practices 12 Next Steps

*AWS Certified Machine Learning Specialty: MLS-C01 Certification Guide* Somanath Nanda,Wesley Moura,2021-03-19 Prepare to achieve AWS Machine Learning Specialty certification with this complete up to date guide and take the exam with confidence Key Features Get to grips with core machine learning algorithms along with AWS implementation Build model training and inference pipelines and deploy machine learning models to the Amazon Web Services AWS cloud Learn all about the AWS services available for machine learning in order to pass the MLS C01 exam Book DescriptionThe AWS Certified Machine Learning Specialty exam tests your competency to perform machine learning ML on AWS infrastructure This book covers the entire exam syllabus using practical examples to help you with your real world machine learning projects on AWS Starting with an introduction to machine learning on AWS you ll learn the fundamentals of machine learning and explore important AWS services for artificial intelligence AI You ll then see how to prepare data for machine learning and discover a wide variety of techniques for data manipulation and transformation for different types of variables The book also shows you how to handle missing data and outliers and takes you through various machine learning tasks such as classification regression clustering forecasting anomaly detection text mining and image processing along with the specific ML algorithms you need to know to pass the exam Finally you ll explore model evaluation optimization and deployment and get to grips with deploying models in a production environment and monitoring them By the end of this book you ll have gained knowledge of the key challenges in machine learning and the solutions that AWS has released for each of them along with the tools methods and techniques commonly used in each domain of AWS ML What you will learn Understand all four domains covered in the exam along with types of questions exam duration and scoring Become well versed with machine learning terminologies methodologies frameworks and the different AWS services for machine learning Get to grips with data preparation and using AWS services for batch and real time data processing Explore the built in machine learning algorithms

in AWS and build and deploy your own models Evaluate machine learning models and tune hyperparameters Deploy machine learning models with the AWS infrastructure Who this book is for This AWS book is for professionals and students who want to prepare for and pass the AWS Certified Machine Learning Specialty exam or gain deeper knowledge of machine learning with a special focus on AWS Beginner level knowledge of machine learning and AWS services is necessary before getting started with this book **AWS Certified SysOps Administrator - Associate Guide** Marko Sluga,2019-01-30 An effective guide to becoming an AWS Certified SysOps Administrator Key FeaturesNot only pass the certification with confidence but also enhance your skills to solving real world scenarios A practical guide to getting you hands on experience with application management deployment operation Enhance your AWS skills with practice questions and mock tests Book Description AWS certifications are becoming one of the must have certifications for any IT professional working on an AWS Cloud platform This book will act as your one stop preparation guide to validate your technical expertise in deployment management and operations on the AWS platform Along with exam specific content this book will also deep dive into real world scenarios and hands on instructions This book will revolve around concepts like teaching you to deploy manage and operate scalable highly available and fault tolerant systems on AWS You will also learn to migrate an existing on premises application to AWS You get hands on experience in selecting the appropriate AWS service based on compute data or security requirements This book will also get you well versed with estimating AWS usage costs and identifying operational cost control mechanisms By the end of this book you will be all prepared to implement and manage resources efficiently on the AWS cloud along with confidently passing the AWS Certified SysOps Administrator Associate exam What you will learnCreate and manage users groups and permissions using AWS IAM servicesCreate a secure VPC with public and private subnets Network Access Control and security groupsGet started with launching your first EC2 instance and working with itHandle application traffic with ELB and monitor AWS resources with CloudWatchWork with S3 Glacier and CloudFrontWork across distributed application components using SWFUnderstand event based processing with Lambda and messaging SQS and SNS in AWSGet familiar with AWS deployment concepts and tools including Elastic Beanstalk CloudFormation and AWS OpsWorksWho this book is for If you are a system administrator or a system engineer interested in leveraging the AWS platform to deploy applications then this book is for you IT professionals interested in passing the AWS Certified Sysops Administrator will also benefit from this book Some basic understanding of working AWS components would do wonders **AWS Certified Database - Specialty (DBS-C01) Certification Guide** Kate Gawron,2022-05-13 Pass the AWS Certified Database Specialty Certification exam with the help of practice tests Key Features Understand different AWS database technologies and when to use them Master the management and administration of AWS databases using both the console and command line Complete up to date coverage of DBS C01 exam objectives to pass it on the first attempt Book Description The AWS Certified Database Specialty certification is one of the most challenging AWS certifications It validates your comprehensive understanding of

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