

# Aws Aws Technical Essentials Learn It

Associate SAA-C01 Exam  
 Associate Exam Preparation [Amazon Web Services]  
 Preparing to Pass AWS Certification Exams : Improve Your Skills Significantly with Ultimate Cheat Sheet, Tips and Exercises  
 A Step-by-Step Guide to Modern Cloud Analytics  
 Associate SAA-C02 Exam  
 AWS Certified Advanced Networking Official Study Guide  
 AWS Certified SysOps Administrator Official Study Guide  
 Associate SOA-C01  
 AWS Certified Cloud Practitioner Exam Guide  
 AWS Certified Cloud Practitioner Study Guide  
 AWS Certified Cloud Practitioner Study Guide with Online Labs  
 Associate SOA-C01 Exam  
 AWS Certified Solutions Architect Study Guide  
 AWS Certified SysOps Administrator Study Guide with Online Labs  
 A Hands-On Guide to the Fundamentals of AWS Cloud  
 Associate SAA-C02 Exam  
 Associate Exam  
 Machine Learning in the AWS Cloud  
 AWS Certified Cloud Practitioner Complete Training Guide  
 AWS Certified Solutions Architect Study Guide  
 Specialty Exam  
 AWS Certified Solutions Architect Smart Guide  
 Specialty (MLS-C01) Exam  
 Associate Exam  
 Add Intelligence to Applications with Amazon SageMaker and Amazon Rekognition  
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*Associate SAA-C01 Exam* Apress  
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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.

### **Associate Exam Preparation [Amazon Web Services]** Maester Books

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

### **Preparing to Pass AWS Certification Exams : Improve Your Skills Significantly with Ultimate Cheat Sheet, Tips and Exercises** John Wiley & Sons

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.

*A Step-by-Step Guide to Modern Cloud Analytics* John Wiley & Sons

Preparing for the AWS Certified Developer Associate exam - and looking for a way to fast-track your exam success? Then these Cheat Sheets are for you! With these in-depth AWS Training Notes for the Developer Associate, you'll learn everything you need to know to ace your exam! Fast-track your exam success with over 340 pages of exam-specific facts, tables and diagrams. AWS Solution Architect and founder of Digital Cloud Training, Neal Davis, has consolidated ALL of the key information into this essential cheat sheet. Based on the latest DVA-C01 certification exam, these Training Notes will shortcut your study time and maximize your chance of passing the AWS Developer Associate certification exam first time. EVERYTHING YOU NEED TO KNOW Deep dive into the DVA-C01 exam objectives with 340 pages of detailed facts, tables and diagrams ALWAYS UP TO DATE These key exam essentials reflect the latest DVA-C01 exam blueprint and are regularly updated SAVE VALUABLE TIME Get straight to the facts you need to know to successfully pass your exam EASY NAVIGATION The information on each AWS service is organized into the same categories as they are in the AWS Management Console BONUS QUIZ QUESTIONS Review your knowledge with 110 questions at the end of each major chapter GAIN THE EDGE ON EXAM DAY Learn from AWS subject-matter experts with this essential exam cram CLEAR LANGUAGE Presented in a raw, point-to-point list of facts backed by tables and diagrams to help with understanding Neal Davis is the founder of Digital Cloud Training, AWS Cloud Solution Architect and a successful IT instructor. With more than 20 years of experience in the tech industry, Neal is a true expert in virtualization and cloud computing. His passion is to help others achieve career success by offering in-depth AWS certification training resources. Neal's popular courses have been used by over 70,000 students around the world and are highly regarded for their premium quality.

*Associate SAA-C02 Exam* Packt Publishing Ltd

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 Advanced Networking Official Study Guide* Independently Published

The AWS Certified Solutions Architect Associate certification demonstrates your expertise in architecting and deploying secure and robust applications on the leading cloud platform in the world, Amazon Web Services. Designed for all AWS Certified Solutions Architect Associate candidates, the AWS Certified Solutions Architect -- Associate (SAA-C02) Cert Guide covers every exam objective concisely and logically, with proven study features that enable students to succeed on the exam the first time. Expert author and trainer Mark Wilkins shares preparation hints and test-taking tips, helping to identify areas of weakness and improve both conceptual knowledge and hands-on skills. This complete study package provides a test-preparation routine proven to help students pass the exams, including quizzes, cheat sheets, a study plan, and hundreds of exam-realistic questions.

*AWS Certified SysOps Administrator Official Study Guide* Certification Guide

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.

*Associate SOA-C01* John Wiley & Sons

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.

**AWS Certified Cloud Practitioner Exam Guide** AWS Essentials and Solutions Architect AssociateThe Total CourseNew for 2019! Start with the basics, then learn everything you need to know to pass the AWS Solutions Architect exam About This Video Learn the basics of AWS and set up a free AWS account to run an instance Grasp AWS essentials and prepare for the AWS Solutions Architect - Associate certification In Detail Are you looking to learn more about AWS and what it can do for you or your company? Have you heard about it, but don't know how to take your business and network solutions to the AWS cloud? Perhaps you're a seasoned network techie looking to become an AWS Certified Solutions Architect Associate. If you can relate to any of those, the AWS Essentials and Solutions Architect Associate course is for you. This course includes both AWS Technical Essentials and AWS Certified Solutions Architect - Associate courses. If you're new to AWS and looking for a crash course to get to grips with the foundations, we recommend that you start right from the beginning with the Technical Essentials course, which isn't a certification exam prep course and doesn't cover exam domains, however, the following is a list of what it covers: Terminology and concepts related to the AWS platform How to navigate the AWS Management Console Key concepts for AWS security measures and AWS Identity and Access Management (IAM) Foundational services-AWS Elastic Compute Cloud (Amazon EC2), Amazon Virtual Private Cloud (Amazon VPC), Amazon Simple Storage Service (Amazon S3), and Amazon Elastic Block Store (Amazon EBS) Database services-AWS Amazon DynamoDB and Amazon Relational Database Service (Amazon RDS) Management services-AWS Auto Scaling, Amazon CloudWatch, Elastic Load Balancing (ELB), and AWS Trusted Advisor Once you're well-versed with the basics, you'll move on to the AWS Solutions Architect - Associate video course, which will take you through the exam domains which are as follows: Domain 1: Design Resilient Architectures (34%) Domain 2: Define Performant Architectures (24%) Domain 3: Specify Secure Applications and Architectures (26%) Domain 4: Design Cost-Optimized Architectures (10%) Domain 5: Define Operationally Excellent Architectures (6%) Downloading the example code for this course: You can download the example code files for this course on GitHub at the following link:

<https://github.com/PacktPublishing/AWS-Essentials-and-Solutions-Architect-Associate-The-Total-Course> . If you require support please email:

[customercare@packt.com](mailto:customercare@packt.com).AWS Certified Cloud Practitioner Study GuideCLF-C01 Exam

Have you been looking to get AWS certified and to grow in your career or business by having the ability to build scalable applications capable of affording your company important features like storage services, analytics services, development and management tools and many more? If you've answered YES, keep reading... You Are About To Discover How You Can Get AWS Certified The Easy Way By Learning The Ins And Outs Of AWS! Truth is, it's difficult to achieve the highest position in any organization in this world- where so many people are super talented, experienced and competent. But it is very possible and very easy when you have extraordinary technical skills like AWS solutions architect- and have a certificate to prove it. But like other serious certifications, AWS certification is not the easiest to attain, and like most people, you might be struggling to get answers to questions like: What exactly do I need to study to excel in my exams? How are AWS questions set, and what is expected of me? What are the different facets of AWS, and what do I need to know about them to deem myself technically fit in this framework? Seems/sounds too technical! How do I even get started? If that's you, then you came to the right place. Indeed, mastering AWS is not usually a walk in the park, and neither does passing its exams. But you know what? That's exactly why this book is here! It will teach you everything you need to learn in AWS to not only pass the exams, but improve your skills fast and within a shorter period of time than average. More precisely, you'll learn: What cloud computing, virtualization, architecture and optimization mean, and why they're significant elements of innovation The various service categories of AWS service The ins and outs of the AWS platform architecture How to work with the AWS The reliability and compliance of AWS Everything you need to know about the compute cloud and Amazon elastic block store The features and importance of Amazon Simple Storage service and Amazon Glacier Storage Details about the Simple Storage Service Exams essentials, review questions and exercises after every topic ...And much more! You know what the best part about this book is? The fact that it is simple to read and follow, which makes anyone, including complete beginners perfect for it. It's also very practical and actively engages you, the reader, right from the beginning to ensure comprehension, enjoyment and satisfaction. Is that what you're looking for? If it is, then all you need to do is: Scroll up and click Buy Now With 1-Click or Buy Now to get started!

*AWS Certified Cloud Practitioner Study Guide* John Wiley & Sons

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.

*AWS Certified Cloud Practitioner Study Guide with Online Labs* John Wiley & Sons

\*\*\*\*WAGmob: An ebook and app platform for learning, teaching and training !!!\*\*\*\* WAGmob brings you, simpleNeasy, on-the-go learning ebook for "Learn Amazon Web Services". The ebook provides: 1. Snack sized chapters for easy learning. 2. Bite sized flashcards to memorize key concepts. Designed for both students and adults. This ebook provides a quick summary of essential concepts in Amazon Web Services by following snack sized chapters: (Each chapter has corresponding flashcards) Introduction to Amazon Web Services: • Cloud Computing • Cloud Computing Stack • Amazon Web Services (AWS) • AWS Products and Services • AWS Uses • AWS Geo-Locations • AWS Management Console • Benefits of AWS AWS Products and Services: • AWS Products and Services Getting Started with Free Usage Tier: • Getting Started with AWS Free Usage Tier • Getting Started with the Free Usage Tier • Compute & Networking Free Tier Benefits • Storage Free Tier Benefits • Database Free Tier Benefits • Application Services Free Tier Benefits • Development and Management Free Tier Benefits Amazon EC2 - I: • Amazon EC2 • History of EC2 • Amazon EC2 Instances • Instance Types and Families • Amazon EBS • Instance Features • Benefits of Amazon EC2 • Amazon EC2 Service Commitment • Differences between Amazon EC2 and Azure? • Amazon EC2 Billing Amazon EC2 - II: • How to Launch an EC2 Instance • How to Connect to an EC2 Instance • How to Terminate an EC2 Instance Amazon S3: • Amazon Simple Storage Service (Amazon S3) • Amazon S3 Functionality • Notable Amazon S3 Users • Amazon S3 Security • Amazon S3 Access Control • Encryption in Amazon S3 • S3 Durability • S3 Versioning • Reduced Redundancy Storage (RSS) Amazon Glacier: • Amazon Glacier • How to Use Glacier? • Amazon Glacier Costing Amazon Account and MFA: • AWS Account and MFA • AWS MFA • Using an AWS MFA Device • AWS MFA Devices • Amazon Single Sign-On Amazon IAM: • AWS Identity and Access Management • IAM Concepts • IAM Policies • EC2 Resource-Level Permission Amazon RDS: • Amazon RDS • RDS Components • Available RDS Interfaces • RDS Commands Cheat Sheet Amazon Marketplace: • AWS Marketplace • AWS Marketplace Products • Benefits of AWS Marketplace • Best Practices for Building AMIs for the Marketplace About WAGmob ebooks: 1) A companion ebook for on-the-go, bite-sized learning. 2) Over One million paying customers from 175+ countries. Why WAGmob ebooks: 1) Beautifully simple, Amazingly easy, Massive selection of ebook. 2) Effective, Engaging and Entertaining ebook. 3) An incredible value for money. Lifetime of free updates! 4) Proven track record with over a million paying customers. \*\*\*\*\* WAGmob Vision : simpleNeasy ebooks for a lifetime of on-the-go learning. WAGmob Mission : A simpleNeasy WAGmob ebook in every hand. WAGmob Platform: A unique platform to create and publish your own ebooks and apps. \*\*\*\*\* Please visit us at [www.simpleNeasyBook.Com](http://www.simpleNeasyBook.Com) or write to us at [Team@simpleNeasyBook.Com](mailto:Team@simpleNeasyBook.Com). We would love to improve our ebook and ebook platform.

Associate SOA-C01 Exam Independently Published

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**AWS Certified Solutions Architect Study Guide** WAGmob

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 SysOps Administrator Study Guide with Online Labs* John Wiley & Sons

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**A Hands-On Guide to the Fundamentals of AWS Cloud** Packt Publishing Ltd

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.

*Associate SAA-C02 Exam* John Wiley & Sons

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.

*Associate Exam* John Wiley & Sons

Gain expertise in ML techniques with AWS to create interactive apps using SageMaker, Apache Spark, and TensorFlow. Key Features Build machine

learning apps on Amazon Web Services (AWS) using SageMaker, Apache Spark and TensorFlow Learn model optimization, and understand how to scale your models using simple and secure APIs Develop, train, tune and deploy neural network models to accelerate model performance in the cloud Book Description AWS is constantly driving new innovations that empower data scientists to explore a variety of machine learning (ML) cloud services. This book is your comprehensive reference for learning and implementing advanced ML algorithms in AWS cloud. As you go through the chapters, you'll gain insights into how these algorithms can be trained, tuned and deployed in AWS using Apache Spark on Elastic Map Reduce (EMR), SageMaker, and TensorFlow. While you focus on algorithms such as XGBoost, linear models, factorization machines, and deep nets, the book will also provide you with an overview of AWS as well as detailed practical applications that will help you solve real-world problems. Every practical application includes a series of companion notebooks with all the necessary code to run on AWS. In the next few chapters, you will learn to use SageMaker and EMR Notebooks to perform a range of tasks, right from smart analytics, and predictive modeling, through to sentiment analysis. By the end of this book, you will be equipped with the skills you need to effectively handle machine learning projects and implement and evaluate algorithms on AWS. What you will learn Manage AI workflows by using AWS cloud to deploy services that feed smart data products Use SageMaker services to create recommendation models Scale model training and deployment using Apache Spark on EMR Understand how to cluster big data through EMR and seamlessly integrate it with SageMaker Build deep learning models on AWS using TensorFlow and deploy them as services Enhance your apps by combining Apache Spark and Amazon SageMaker Who this book is for This book is for data scientists, machine learning developers, deep learning enthusiasts and AWS users who want to build advanced models and smart applications on the cloud using AWS and its integration services. Some understanding of machine learning concepts, Python programming and AWS will be beneficial.

**Machine Learning in the AWS Cloud** John Wiley & Sons

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Build production-grade machine learning models with Amazon SageMaker Studio, the first integrated development environment in the cloud, using real-life machine learning examples and code Key Features Understand the ML lifecycle in the cloud and its development on Amazon SageMaker Studio Learn to apply SageMaker features in SageMaker Studio for ML use cases Scale and operationalize the ML lifecycle effectively using SageMaker Studio Book Description Amazon SageMaker Studio is the first integrated development environment (IDE) for machine learning (ML) and is designed to integrate ML workflows: data preparation, feature engineering, statistical bias detection, automated machine learning (AutoML), training, hosting, ML explainability, monitoring, and MLOps in one environment. In this book, you'll start by exploring the features available in Amazon SageMaker Studio to analyze data, develop ML models, and productionize models to meet your goals. As you progress, you will learn how these features work together to address common challenges when building ML models in production. After that, you'll understand how to effectively scale and operationalize the ML life cycle using SageMaker Studio. By the end of this book, you'll have learned ML best practices regarding Amazon SageMaker Studio, as well as being able to improve productivity in the ML development life cycle and build and deploy models easily for your ML use cases. What you will learn Explore the ML development life cycle in the cloud Understand SageMaker Studio features and the user interface Build a dataset with clicks and host a feature store for ML Train ML models with ease and scale Create ML models and solutions with little code Host ML models in the cloud with optimal cloud resources Ensure optimal model performance with model monitoring Apply governance and operational excellence to ML projects Who this book is for This book is for data scientists and machine learning engineers who are looking to become well-versed with Amazon SageMaker Studio and gain hands-on machine learning experience to handle every step in the ML lifecycle, including building data as well as training and hosting models. Although basic knowledge of machine learning and data science is necessary, no previous knowledge of SageMaker Studio and cloud experience is required.

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