
Advanced Architecting On Aws Training And Certification

Building Intelligent Tutoring Systems for Teams

Cloud Architecture: Advanced Concepts (2017).

Create machine learning platforms to run solutions in an enterprise setting

Machine Learning in the AWS Cloud

Serverless Architectures on AWS, Second Edition

Find your own way

Proceedings of the 36th International Conference on Advanced Information

Networking and Applications (AINA-2022), Volume 3

Mastering Machine Learning on AWS

Exam CAS-002

AWS Certified Developer Official Study Guide

IT jobs for dummies and geniuses

Advanced Deep Learning for Engineers and Scientists

National Defense Authorization Act for Fiscal Year 2006

Time Series Analysis on AWS

AWS Certified Machine Learning Study Guide

The Machine Learning Solutions Architect Handbook

AWS Certified Cloud Practitioner Complete Video Course

Troubleshooting CentOS

Build your cloud computing knowledge and build your skills as an AWS Certified Cloud Practitioner (CLF-C01)

The Ultimate Guide to Master All the Functions and Criticalities of AWS Cloud to Swiftly Achieve Certification. Including 47 Functional Questions for 10th International Conference, IACC 2020, Panaji, Goa, India, December 5-6, 2020, Revised Selected Papers, Part I

Air Traffic Control Automated Systems

Learn to design robust and future-proof solutions with Google Cloud technologies Architecture, Implementation, and Optimization

Associate (DVA-C01) Exam

AWS Certified Cloud Practitioner Exam Guide

Pass the DOP-C01 exam and prepare for the real world using case studies and real-life examples

Advanced Information Networking and Applications

The Practical Detailed Guide to Learn the Functions of the AWS Cloud to Pass the Exam and Get the Certification. Practice Questions Walkthrough for the SAA-C02.

Advanced Data Mining and Applications
AWS Certified Developer - Associate Guide, Second Edition
The Builder
AWS for Architects: Advanced Security
What Matters
RHCSA Red Hat Enterprise Linux 8 (UPDATED)
Architecting Google Cloud Solutions
Associate (DVA-C01) Exam
Building
Aws Certified
Aws Certified Solutions Architect

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MANNING EMELY

**Building Intelligent
Tutoring Systems for
Teams** Sebastian Biedroń

HIGHLIGHTS > Covers ALL
Latest Official Exam
Objectives for RHCSA 8
including Containers and
Shell Scripting > Great for
Self-Study and In-
Class/Virtual Training >
108 Real-Life Step-By-

Step Exercises and Shell
Scripts > 80 Do-It-Yourself
Challenge Labs > 408
Review Questions &
Answers > 4 Realistic
Sample RHCSA Exams (23
tasks per exam) RHCSA
Red Hat Enterprise Linux

8 (UPDATED): Training and Exam Preparation Guide, Second Edition provides in-depth coverage of the latest RHCSA EX200 exam objectives that include Shell Scripting and Containers. The most definitive guide available on the subject, this book explains concepts, analyzes configuration files, describes command outputs, shows step-by-step procedures (includes screenshots of actual commands executed and outputs they produced), and challenges the

readers' comprehension of the concepts and procedures by presenting plenty of additional labs and sample realistic exam tasks to perform on their own. This book has 23 chapters that are organized logically, from setting up the lab to the fundamentals of Linux to sophisticated Linux administration topics. The book covers the topics on local RHEL 8 installation; initial interaction with the system; basic Linux commands; compression and archiving; file editing and manipulation;

standard and special permissions; file searching and access controls; user monitoring and authentication files; users, groups, and password aging; bash shell features and startup files; processes and task scheduling; basic and advanced software administration techniques; system boot process and bootloader; kernel management and system initialization; logging and system tuning; basic and advanced storage management tools and

solutions; local file systems and swap regions; network device and connection configuration; remote file systems and automounting; time synchronization and hostname resolution; the secure shell service; firewall and SELinux controls; and shell scripting and containers. Each chapter highlights the major topics and relevant exam objectives at the beginning and ends with several review questions & answers and Do-It-Yourself challenge

labs. Throughout the book, figures, tables, screen shots, examples, notes, and exam tips are furnished to support explanation and exam preparation. This book includes four sample RHCSA exams that are expected to be performed using the knowledge and skills attained from reading the material, following the exercises, and completing the challenge labs. The labs and the sample exams include hints to relevant topics and/or exercises. This book may be used as

a self-learning guide by RHCSA 8 exam aspirants, a resource by instructors and students to follow in physical and virtual training sessions, an on-the-job resource for reference, and an easy-to-understand guide by novice and non-RHEL administrators.

Cloud Architecture: Advanced Concepts (2017). Packt Publishing Ltd

State-of-the-art technology is changing the way we design for the cloud. New architectural patterns are emerging as

a result of breakthroughs such as microservices, containers, and serverless computing. Want to know how these advanced concepts will affect your cloud strategy and solution? This platform-neutral course is targeted at IT professionals who already know the basics of architecting cloud solutions and wish to understand the impact of new technologies on their business. Learn how independently deployable, modular services-microservices-will affect the structure of your

cloud-based applications; how serverless and composite architectures such as AWS Lambda and Azure Functions free up engineers to focus on features, not infrastructures; and how new high-performance solutions allow you to "lease" computing storage and power. Instructor David Linthicum also discusses DevOps integration and advanced architecture strategies, such as isolating change and volatility in a single domain. Create machine learning

platforms to run solutions in an enterprise setting
Packt Publishing Ltd
7 Hours of Video
Instruction Seven hours of video instruction covering the fundamentals of cloud computing; AWS core services such as Amazon EC2, Amazon RDS, and Amazon S3; security; architecture design principles; best practices; and cost management. AWS Certified Cloud Practitioner Complete Video Course is a video product designed to help viewers understand Amazon Web Services at

a high level, introduce cloud computing concepts, and key AWS services, and prepare them for the exam according to the certification exam guide published by Amazon Web Services. AWS Certified Cloud Practitioner Complete Video Course provides seven hours of instruction. The videos contain slides, audio descriptions, and video captures. Demonstrations of Amazon Web Services and third-party cloud solutions are included to provide a clear guide to

understanding the services offered by Amazon Web Services and the needs those services meet. Topics include: Cloud Practitioner Certification Fundamental Concepts Fundamentals Basic Core Services Advanced Core Services Other Services Security in AWS Service Pricing Cost Management Learn How To Includes seven hours of video presentation Provides clear, in-depth explanations and demos Provides an understanding across numerous services,

principles, and cost management Offers insights and hints to study for the Cloud Practitioner certification exam Who Should Take This Course The target audience for AWS Certified Cloud Practitioner Complete Video Course are individuals currently working in roles such as sales, project management, or at the executive level. These individuals will typically be involved in decision making where the use of Amazon Web Services is concerned and need to

engage in intelligent, informed dialogue but not necessarily be involved with the more technical discussions or hands-on implementation as might be relevant to other certifications. Course Requirements There are no requirements for this course Lesson descriptions Lesson 1: Cloud Practitioner Certification. In this lesson, the requirements will be reviewed, along with the exam itself, the experience of taking the exam, and some resources for further

study and preparation. Lesson 2: Fundamental Concepts. In Lesson 2, an introduction to cloud computing will be provided, along with a review of business needs, and a discussion of how Amazon Web Services helps address those needs. Lesson 3: Fundamentals. In this lesson, the fundamentals of the AWS global infra... *Machine Learning in the AWS Cloud* John Wiley & Sons Enhance your virtualization skills by mastering storage and

network virtualization with automation across different Clouds Key Features Migrate and build your applications in Hybrid Cloud with VMware Cross Cloud components and services Gain in-depth configuration insights of VMware Cross Cloud architecture Learn to migrate applications from VMware to AWS and IBM Cloud Book Description Over the past two decades, VMware vSphere has been known as the most trusted and reliable virtualization platform. VMware Cross-

Cloud Architecture shows you how to design and configure Cross Cloud Architecture by using VMware Cloud Foundation and vRealize Suite with various use cases across private, public, and hybrid Cloud. This book takes you through everything from a basic understanding of virtualization to advanced aspects of storage and network virtualization, clustering, automation, and management. This book will be your guide to designing all aspects of Cloud. We start with the

challenges faced by a traditional data center, define problem statements for you, and then brief you on respective solutions. Moving on, all kinds of virtualization and Cloud offerings from AWS and IBM Soft Layer are introduced and discussed in detail. Then, you'll learn how to design IT infrastructures for new and existing applications with a combination of Cloud Foundation, vRealize Suite, and vSphere enabled with VSAN and NSX.

Furthermore, you'll learn how to design and configure high availability, disaster recovery, and apply an appropriate compliance matrix. Toward the end of the book, you will learn how to calculate the TCO/ROI, along with the VMware products packaging and licensing in detail. What you will learn Install and configure the Cloud foundation with Cross-Cloud services Configure vSphere high availability with the vCenter redundancy setup Architect and configure

VMware with AWS Cloud Deploy VMware components in IBM Soft Layer Extend your DR setup with VMware to consume DRaaS Design and configure software-defined networking Implement compliance regulations to fix violations Who this book is for This book is for administrators, Cloud architects and network engineers who want to globalize their infrastructure using VMware and AWS services. An initial setup of workloads and data

center is beneficial.

Serverless Architectures on AWS, Second Edition Packt Publishing Ltd

Are you one of those individuals who want to pass the AWS Solutions Architect - Associate Exam? Perhaps you are striving to be an Amazon Web Services (AWS) Certified professional. No matter what your case is, this book got you covered! There's no doubt that AWS is quickly becoming an essential certificate for any IT specialists working with

AWS. The course is intended to help you pass the AWS Certified Solutions Architect - Associate Exam. By the end of this book, you'll be able to take the exam. That's especially true even if you've never logged in the AWS platform in the past. You don't need any prior programming skills or knowledge in AWS here. Inside this book, AWS CERTIFIED: The Practical Detailed Guide to Learn and the Functions of the AWS Cloud to pass the exam and get the

Certification. Practice questions walkthrough for the SAA-C02 it will cover topics helping you create and execute AWS and hybrid IT network architectures with different network automation activities. Allow this book to be your comprehensive and advanced guide for networking professionals to boost your networking abilities and get certified immediately. By the end of this book, you'll be geared with AWS networking tactics and concepts. What's the best

thing than mastering the best practices of core architecture? Here's a quick peek of what you'll learn in this book: What Cloud Computing; Getting Started with Aws; Cloud Computing Software; Cloud Storage Software; Aws Database Software; Media Services. And so much MORE! Are you a network engineer? A system administrator? Perhaps you are interested in getting certified with an advanced cloud networking certification. There's no need to look further

because this book is perfect for you! Are you ready to get started? If so, scroll this page and make sure you click BUY NOW to get your hands in this book!

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Cert Prep: AWS Certified Solutions Architect - Professional
AWS Certified Developer Official Study Guide, Associate Exam
Associate (DVA-C01) Exam
John Wiley & Sons
Proceedings of the 36th International Conference on Advanced Information Networking and

Applications (AINA-2022), Volume 3 Springer
 Leverage AWS AI/ML managed services to generate value from your time series data
 Key Features Solve modern time series analysis problems such as forecasting and anomaly detection
 Gain a solid understanding of AWS AI/ML managed services and apply them to your business problems
 Explore different algorithms to build applications that leverage time series data
 Book Description Being a

business analyst and data scientist, you have to use many algorithms and approaches to prepare, process, and build ML-based applications by leveraging time series data, but you face common problems, such as not knowing which algorithm to choose or how to combine and interpret them. Amazon Web Services (AWS) provides numerous services to help you build applications fueled by artificial intelligence (AI) capabilities. This book helps you get to grips with

three AWS AI/ML-managed services to enable you to deliver your desired business outcomes. The book begins with Amazon Forecast, where you'll discover how to use time series forecasting, leveraging sophisticated statistical and machine learning algorithms to deliver business outcomes accurately. You'll then learn to use Amazon Lookout for Equipment to build multivariate time series anomaly detection models geared toward industrial equipment and

understand how it provides valuable insights to reinforce teams focused on predictive maintenance and predictive quality use cases. In the last chapters, you'll explore Amazon Lookout for Metrics, and automatically detect and diagnose outliers in your business and operational data. By the end of this AWS book, you'll have understood how to use the three AWS AI services effectively to perform time series analysis. What you will learn Understand how

time series data differs from other types of data Explore the key challenges that can be solved using time series data Forecast future values of business metrics using Amazon Forecast Detect anomalies and deliver forewarnings using Lookout for Equipment Detect anomalies in business metrics using Amazon Lookout for Metrics Visualize your predictions to reduce the time to extract insights Who this book is for If you're a data analyst, business analyst, or data

scientist looking to analyze time series data effectively for solving business problems, this is the book for you. Basic statistics knowledge is assumed, but no machine learning knowledge is necessary. Prior experience with time series data and how it relates to various business problems will help you get the most out of this book. This guide will also help machine learning practitioners find new ways to leverage their skills to build effective time series-

based applications.

Mastering Machine

Learning on AWS Asghar Ghori

A crisis can represent the ideal time to learn new skills and switch industries. The world of the future will be built on information technology (IT). Luckily, it is possible for anyone to change industries and start working in IT. After reading this book, you will understand: - how IT departments are organized; and - how to land the best job for you and then develop your

career. - that there are loads of IT roles you probably didn't know about; - the skills needed for the different roles; - the likely futures of the different available roles; - how to start working in IT; - that you don't have to be a programmer to work in IT; - that you don't have to complete your studies to get a job in IT; In this book, you will find the answers to the following questions: - Does it make sense to change careers and start working in IT? - Do you have to be a genius to work in IT? -

How does the IT industry work? - What departments and roles are available in the IT industry? Many people imagine working in IT to involve programming, testing, or the provision of general help to users. They do not realize how vast the departments that deal with the maintenance of IT systems are or how many employees with various specializations work in such departments. In fact, there are jobs available in IT for almost everyone.
Exam CAS-002 John Wiley

& Sons

Are you one of those individuals who want to pass the AWS Solutions Architect - Associate Exam? Perhaps you are striving to be an Amazon Web Services (AWS) Certified professional. No matter what your case is, this book got you covered! There's no doubt that AWS is quickly becoming an essential certificate for any IT specialists working with AWS. The course is intended to help you pass the AWS Certified Solutions Architect -

Associate Exam. By the end of this book, you'll be able to take the exam. That's especially true even if you've never logged in the AWS platform in the past. You don't need any prior programming skills or knowledge in AWS here. Inside this book, AWS CERTIFIED: The Practical Detailed Guide to Learn and the Functions of the AWS Cloud to pass the exam and get the Certification. Practice questions walkthrough for the SAA-C02 it will cover topics helping you create

and execute AWS and hybrid IT network architectures with different network automation activities. Allow this book to be your comprehensive and advanced guide for networking professionals to boost your networking abilities and get certified immediately. By the end of this book, you'll be geared with AWS networking tactics and concepts. What's the best thing than mastering the best practices of core architecture? Here's a quick peek of what you'll

learn in this book: What Cloud Computing; Getting Started with Aws; Cloud Computing Software; Cloud Storage Software; Aws Database Software; Media Services. And so MUCH MORE! Are you a network engineer? A system administrator? Perhaps you are interested in getting certified with an advanced cloud networking certification. There's no need to look further because this book is perfect for you! Are you ready to get started? If so, scroll this page and make

sure you click BUY NOW to get your hands in this book!

AWS Certified Developer Official Study Guide John Wiley & Sons

This book highlights operation principles for Air Traffic Control Automated Systems (ATCAS), new scientific directions in design and application of dispatching training simulators and parameters of ATCAS radio equipment items for aircraft positioning. This book is designed for specialists in air traffic control and navigation at

a professional and scientific level. The following topics are also included in this book: personnel actions in emergency, including such unforeseen circumstances as communication failure, airplane wandering off course, unrecognized aircraft appearance in the air traffic service zone, aerial target interception, fuel draining, airborne collision avoidance system (ACAS) alarm, emergency stacking and volcanic ash cloud straight ahead.

IT jobs for dummies and geniuses □□□
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. *Advanced Deep Learning for Engineers and Scientists* Packt Publishing

Ltd
This volume explores advances in theory, research and technologies needed to advance the state of the art of intelligent tutoring systems (ITSs) for teams. *National Defense Authorization Act for Fiscal Year 2006* Springer
Nature
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.
[Time Series Analysis on AWS](#) Charlie Creative Lab Are you one of those individuals who want to pass the AWS Solutions Architect - Associate Exam? Perhaps you are striving to be an Amazon Web Services (AWS) Certified professional. No matter what your case is, this book got you covered! There's no doubt that AWS is quickly becoming an essential certificate for any IT specialists working with AWS. The course is intended to help you pass

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ready to get started? If so, scroll this page and make sure you click BUY NOW to get your hands in this book!
AWS Certified Machine Learning Study Guide Cert Prep: AWS Certified Solutions Architect - Professional
AWS Certified Developer Official Study Guide, Associate Exam
Associate (DVA-C01) Exam
CentOS is the enterprise-grade Linux operating system built using the same source code as Red Hat Enterprise Linux (RHEL) to provide a free-

to-use alternative to Red Hat's commercial Linux offering. The purpose of this book is to build on your understanding of CentOS and to explore those mission-critical services you are entrusted to manage and maintain. Starting with a brief introduction to the overall subject of troubleshooting a CentOS server, this book will take you on a journey across the whole spectrum of issue-based problem solving, which includes active processes, the networking environment,

package management, users, folders, files, shared resources, security, databases, and web-based services. By the end of the book, you will have expert-level competency in identifying and diagnosing the root causes of CentOS storage, network, and administration issues and resolving them.

The Machine Learning Solutions Architect

Handbook Packt Publishing Ltd

This book provides the advanced issues of FPGA design as the underlying

theme of the work. In practice, an engineer typically needs to be mentored for several years before these principles are appropriately utilized. The topics that will be discussed in this book are essential to designing FPGA's beyond moderate complexity. The goal of the book is to present practical design techniques that are otherwise only available through mentorship and real-world experience.

AWS Certified Cloud Practitioner Complete

Video Course John Wiley & Sons
6+ Hours of Video
Instruction Overview The AWS Certified Solutions Architect - Associate (SAA-C02) Complete Video Course is designed to provide users with more than 6 hours of instruction with the goal of fully preparing them for all aspects of the exam. The course walks through the exam objective coverage in a way that is easy to digest, apply in the workplace, and implement for the exam. The course instructor, Chad Smith, is

an experienced and certified architect with a focus on AWS. The course provides walk-throughs of the exam objectives as well as best strategies and demonstrations for optimal application. Each lesson ends with two sample questions, which are explained in detail for both correct and incorrect answers. The four domains of the AWS SAA-C02 exam align with Modules 2 through 5 of this course to provide the best outcome for the learner intending to take and pass the

AWS Certified Solutions Architect 'À Associate (SAA-C02) Exam. Topics include Module 1: AWS Certified Solutions Architect Overview Module 2: Design Resilient Architectures Module 3: Design High-Performing Architectures Module 4: Specify Secure Applications and Architectures Module 5: Design Cost-Optimized Architectures About the Instructor Chad Smith is the principal cloud architect at Brightkey.cloud. He is a certified architect for both

Amazon Web Services and Google Cloud Platform and brings a wealth of relevant experience in cloud adoption, infrastructure design, data security, and cloud operations. Chad holds current AWS certifications in Architecture (Associate and Professional), SysOps, and Security. Skill Level Intermediate to advanced Learn How To Use architectural patterns to design resilient, highly available, and decoupled infrastructures Deploy high-performance compute, network,

storage, and database resources Design least-privilege access control and secure application tiers, and deploy data protection mechanisms for encryption in transit and at rest Recognize cost-effective compute, network, storage, and database implementation Pass the AWS Certified Solutions Architecture Associate SAA-C02 exam Who Should Take This Course AWS architects AWS SysOps professionals AWS security professionals AWS developers and engineers

Intermediate to advanced students Course Requirements Strong understanding of the AWS ecosystem and infrastructure architecture Working knowledge of commonly used AWS services such as EC2, S3, IAM, Cloudwatch, et... *Troubleshooting CentOS* Packt Publishing Ltd Level up your IT career with the knowledge required to become an Associate level AWS Certified Solutions Architect. This expert-led, online certification prep course includes over 6

hours of video-based lessons, hands-on labs, and exclusive access to Pearson test-prep practice tests to fully prepare you for the AWS Certified Solutions Architect - Associate (SAA-C02) exam. This course covers in-demand associate-level skills concerning the design, deployment, and use of AWS, and will prepare you for one of the most sought-after AWS certifications. Who should take this course Skill level | Intermediate to advanced Anyone planning to take the

current SAA-C02 exam to become an Associate AWS Certified Solutions Architect Anyone who needs to use architectural design principles in AWS based on customer requirements, and provide implementation guidance based on AWS best practices Anyone looking to effectively architect and deploy secure and robust applications on AWS technologies This self-paced online training product requires an understanding of the basic architectural principles of building in

the AWS Cloud along with AWS global infrastructure. It is recommended that candidates preparing for the SAA-C02 exam have at least 1 year of hands-on experience designing available, cost-effective, fault-tolerant, and scalable distributed systems on AWS. For an optimal course experience, we recommend using these browsers and devices. Course includes 6+ hours of targeted, video-based lessons led by industry experts Hands-on labs to simulate real-world

experience creating architecture that is cost-effective, high-performing, reliable, and secure Self-study tools, such as flashcards, and quizzes to self-assess your progress Exclusive Pearson Test Prep practice exams to fully prepare for the SAA-C02 exam Test-taking strategies to help you pass the AWS Certified Solutions Architect - Associate (SAA-C02) exam with confidence 1 year of access* What you'll learn This Pearson IT Training Course covers the full

range of topics covered on the AWS Certified Solutions Architect - Associate (SAA-C02) exam, including: Using architectural patterns to design resilient, highly available, and decoupled infrastructures Deploying high-performance compute, network, storage, and database resources Designing least-privilege access control and secure application tiers, and deploying data protection mechanisms for encryption in transit and at rest Recognizing cost-effective compute,

network, storage, and database implementation *Retake guarantee Didn't pass your certification exam on your first try? We'll give you six months of additional access at no cost. About Pearson IT Training Courses Pearson IT Training Courses are complete and affordable packages of expert-led, self-paced courses designed to help you stand out with in-demand skills that take your career to the next level. From learning to hands-on practice and application, our comprehensive

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Build your cloud computing knowledge and build your skills as an AWS Certified Cloud Practitioner (CLF-C01)

Packt Publishing Ltd

Build highly secure and scalable machine learning platforms to support the fast-paced adoption of machine learning solutions Key Features Explore different ML tools and frameworks to solve large-scale machine learning challenges in the cloud Build an efficient

data science environment for data exploration, model building, and model training Learn how to implement bias detection, privacy, and explainability in ML model development Book Description When equipped with a highly scalable machine learning (ML) platform, organizations can quickly scale the delivery of ML products for faster business value realization. There is a huge demand for skilled ML solutions architects in different industries, and this

handbook will help you master the design patterns, architectural considerations, and the latest technology insights you'll need to become one. You'll start by understanding ML fundamentals and how ML can be applied to solve real-world business problems. Once you've explored a few leading problem-solving ML algorithms, this book will help you tackle data management and get the most out of ML libraries such as TensorFlow and PyTorch. Using open

source technology such as Kubernetes/Kubeflow to build a data science environment and ML pipelines will be covered next, before moving on to building an enterprise ML architecture using Amazon Web Services (AWS). You'll also learn about security and governance considerations, advanced ML engineering techniques, and how to apply bias detection, explainability, and privacy in ML model development. And finally, you'll get acquainted with AWS AI

services and their applications in real-world use cases. By the end of this book, you'll be able to design and build an ML platform to support common use cases and architecture patterns like a true professional. What you will learn Apply ML methodologies to solve business problems Design a practical enterprise ML platform architecture Implement MLOps for ML workflow automation Build an end-to-end data management architecture using AWS Train large-scale ML models and

optimize model inference latency Create a business application using an AI service and a custom ML model Use AWS services to detect data and model bias and explain models Who this book is for This book is for data scientists, data engineers, cloud architects, and machine learning enthusiasts who want to become machine learning solutions architects. You'll need basic knowledge of the Python programming language, AWS, linear algebra, probability, and networking concepts

before you get started with this handbook.

The Ultimate Guide to Master All the Functions and Criticalities of AWS Cloud to Swiftly Achieve Certification. Including 47 Functional Questions for

Simon and Schuster
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.

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