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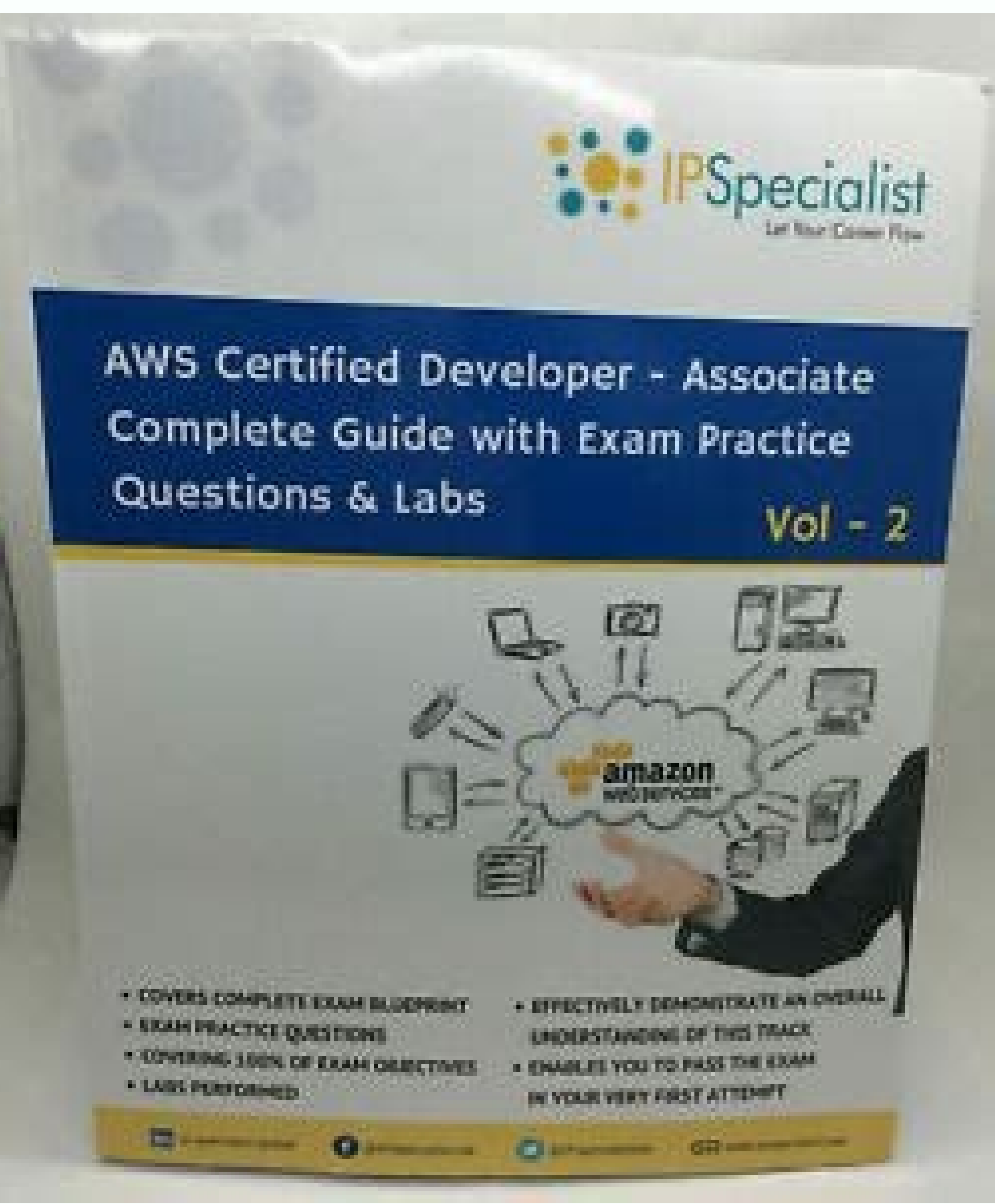
# PREMIUM EDITION

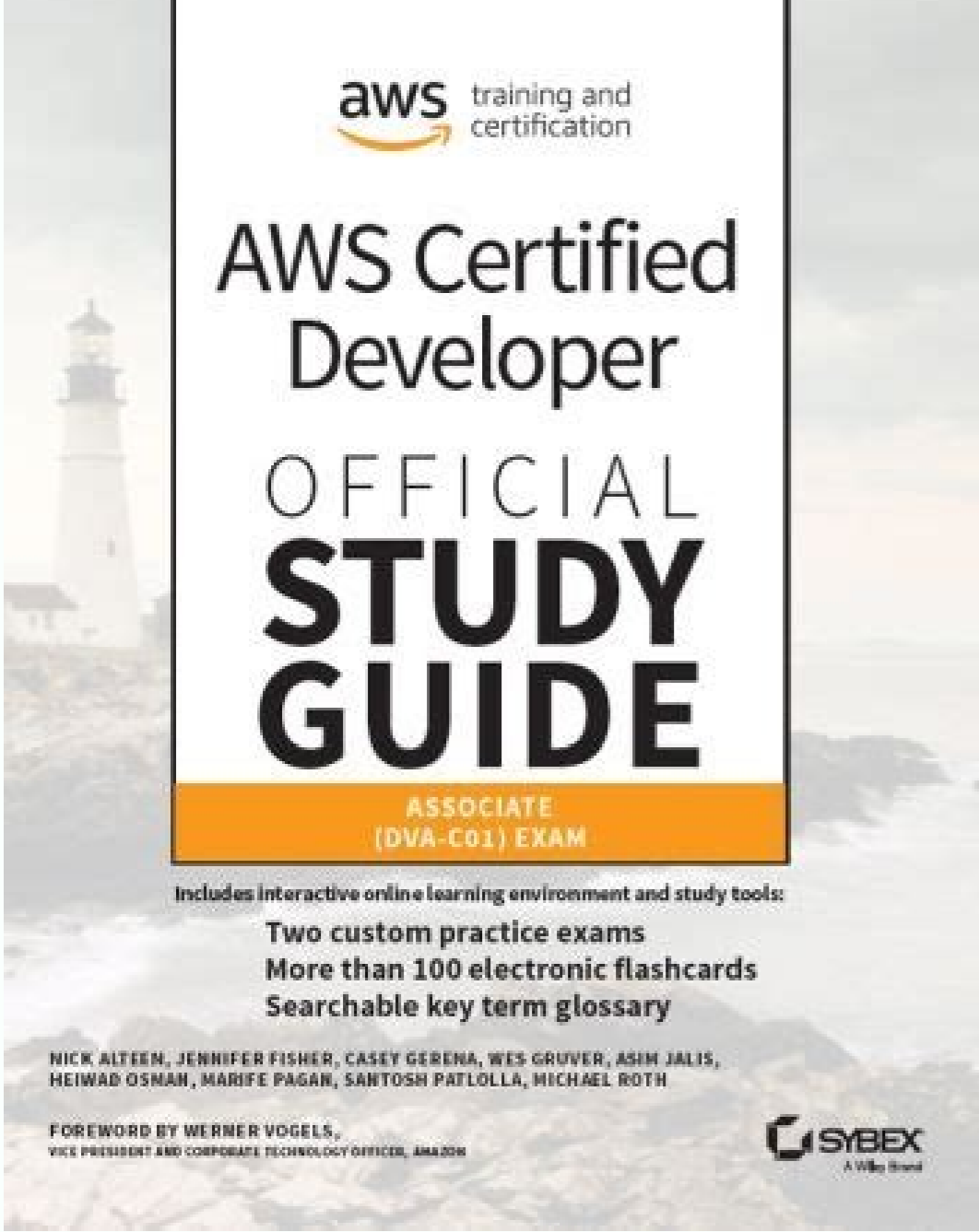
eBOOK + PRACTICE TEST

MARKO SLUGA

## Cert Guide

Learn, prepare, and practice for exam success





PART 1: Getting Started with AWS JourneyChapter 1: Overview of Cloud Computing and AWSChapter 2: Interacting with AWS using API, SDKI, and CLICChapter 3: Networking using Amazon Virtual Private Cloud (Amazon VPC)Chapter 4: Creating a Virtual machine Using Amazon EC2PART 2: AWS High Availability and Fault ToleranceChapter 5: Elastic Load Balancing and Auto ScalingChapter 6: Distributing the Contents via AWS CloudFrontChapter 7: Domain Name System (DNS) and Amazon Route 53PART 3: Working with Cloud StorageChapter 8: Working with Simple Storage Service s3Chapter 9: Amazon EBS, Amazon EFS, and GlacierPART 4: Authentication and AuthorizationChapter 10: Securing AWS resources with Identity and Access Management (IAM)Chapter 11: Web Identity Federation and Amazon Cognito for User AuthenticationChapter 12: Protect Your Data Using Server-side and Client-side EncryptionPART 5: Creating SQL and NoSQL Database in AWS CloudChapter 13: AWS Relational Database ServicesChapter 14: AWS NoSQL Database Service -- DynamoDBPART 6: AWS Application Integration and ManagementChapter 15: Amazon Simple Queue Service and Simple Notification ServiceChapter 16: Simple Workflow Service, Amazon API Gateway and AWS Step FunctionsChapter 17: Monitoring Using Amazon CloudWatch, AWS CloudTrail, and AWS ConfigChapter 18: Infrastructure as Code Using AWS CloudFormationPART 7: Developing Cloud Native Applications in AWSChapter 19: Develop Serverless Application with LambdaChapter 20: Deploying a Static Website on Amazon S3 BucketChapter 21: Deploy Web Application Using Elastic BeanstalkChapter 22: Migrating Your Application and Database to AWSPART 8: Build, Deploy, and Debug Cloud ApplicationsChapter 23: Host Secure Repositories Using AWS CodeCommitChapter 24: Building an Application Using CodeBuildChapter 25: Deploying Application Using CodeDeploy and CodePipelineChapter 26: Building Scalable and Fault-Tolerant CI/CD PipelinePART 9: AppendicesAppendix A: AWS Certified Developer - Associate Exam Objective MapGlossary This effective self-study system delivers complete coverage of every topic on the AWS Certified Developer Associate ExamTake the challenging AWS Certified Developer Associate Exam with confidence using the comprehensive information contained in this effective test preparation guide. Written by an Amazon Web Services certified expert and experienced trainer, AWS Certified Developer Associate All-in-One Exam Guide (Exam DVA-C01) covers every subject on the exam and clearly explains how to create, deploy, migrate, monitor, and debug cloud-native applications. Designed to help you pass the exam with ease, this guide also serves as an ideal on-the-job reference.Covers all topics on the exam, including:Getting started with AWS JourneyAWS high availability and fault toleranceWorking with cloud storageAuthentication and authorizationCreating SQL and NoSQL databases in AWS CloudAWS application integration and managementDeveloping cloud-native applications in AWSBuilding, deploying, and debugging cloud applicationsElectronic content includes:130 practice questionsTest engine containing full-length practice exams and customizable quizzes Certificate from CredlyThere are lots of guides on what resources to use for studying, but they don't go into detail on how to use them effectively to maximize the result and minimizing the useless efforts spent. The AWS DVA-C01 exam preparation guide is designed to provide candidates with necessary information about the AWS-CDA exam. It includes exam summary, sample questions, practice test, objectives and ways to interpret the exam objectives to enable candidates to assess the types of questions-answers that may be asked during the AWS Certified Developer - Associate exam. It is recommended for all the candidates to refer the DVA-C01 objectives and sample questions provided in this preparation guide. The AWS-CDA certification is mainly targeted to the candidates who want to build their career in Developer domain and demonstrate their expertise. We suggest you to use practice exam listed in this cert guide to get used to with exam environment and identify the knowledge areas where you need more work prior to taking the actual AWS Developer Associate exam. AWS DVA-C01 Exam Summary: AWS-CDA Syllabus: Section Objectives Deploy written code in AWS using existing CI/CD pipelines, processes, and patterns. - Commit code to a repository and invoke build, test and/or deployment actions - Use labels and branches for version and release management - Use AWS CodePipeline to orchestrate workflows against different environments - Apply AWS CodeCommit, AWS CodeBuild, AWS CodePipeline, AWS CodeStar, and AWS CodeDeploy for CI/CD purposes - Perform a roll back plan based on application deployment policy Deploy applications using AWS Elastic Beanstalk - Utilize existing supported environments to define a new application stack - Package the application - Introduce a new application version into the Elastic Beanstalk environment - Utilize a deployment policy to deploy an application version (i.e., all at once, rolling, rolling with batch, immutable) - Validate application health using Elastic Beanstalk dashboard - Use Amazon CloudWatch Logs to instrument application logging Prepare the application deployment package to be deployed to AWS. - Manage the dependencies of the code module (like environment variables, config files and static image files) within the package - Outline the package/container directory structure and organize files appropriately - Translate application resource requirements to AWS infrastructure parameters (e.g., memory, cores) Deploy serverless applications. - Given a use case, implement and launch an AWS Serverless Application Model (AWS SAM) template - Manage environments in individual AWS services (e.g., Differentiate between Development, Test, and Production in Amazon API Gateway) Make authenticated calls to AWS services. - Communicate required policy based on least privileges required by application. - Assume an IAM role to access a service - Use the software development kit (SDK) credential provider on-premises or in the cloud to access AWS services (local credentials vs. instance roles) Implement encryption using AWS services. - Encrypt data at rest (client side; server side; envelope encryption) using AWS services - Encrypt data in transit Implement application authentication and authorization. - Add user sign-up and sign-in functionality for applications with Amazon Cognito identity or user pools - Use Amazon Cognito-provided credentials to write code that access AWS services. - Use Amazon Cognito sync to synchronize user profiles and data - Use developers-authenticated identities to interact between end user devices, backend authentication, and Amazon Cognito Write code for serverless applications. - Compare and contrast server-based vs. serverless model (e.g., micro services, stateless nature of serverless applications, scaling serverless applications, and decoupling layers of serverless applications) - Configure AWS Lambda functions by defining environment variables and parameters (e.g., memory, time out, runtime, handler) - Create an API endpoint using Amazon API Gateway - Create and test appropriate API actions like GET, POST using the API endpoint - Apply Amazon DynamoDB concepts (e.g., tables, items, and attributes) - Compute read/write capacity units for Amazon DynamoDB based on application requirements - Associate an AWS Lambda function with an AWS event source (e.g., Amazon API Gateway, Amazon CloudWatch event, Amazon S3 events, Amazon Kinesis) - Invoke an AWS Lambda function synchronously and asynchronously Translate functional requirements into application design. - Determine real-time vs. batch processing for a given use case - Determine use of synchronous vs. asynchronous for a given use case - Determine use of event vs. schedule/poll for a given use case - Account for tradeoffs for consistency models in an application design Implement application design into application code. - Write code to utilize messaging services (e.g., SQS, SNS) - Use Amazon ElastiCache to create a database cache - Use Amazon DynamoDB to index objects in Amazon S3 - Write a stateless AWS Lambda function - Write a web application with stateless web servers (Externalize state) Write code that interacts with AWS services by using APIs, SDKs, and AWS CLI. - Choose the appropriate APIs, software development kits (SDKs), and CLI commands for the code components - Write resilient code that deals with failures or exceptions (i.e., retries with exponential back off and jitter) Optimize applications to best use AWS services and features. - Implement AWS caching services to optimize performance (e.g., Amazon ElastiCache, Amazon API Gateway cache) - Apply an Amazon S3 naming scheme for optimal read performance Migrate existing application code to run on AWS. - Isolate dependencies - Run the application as one or more stateless processes - Develop in order to enable horizontal scalability - Externalize state Write code that can be monitored. - Create custom Amazon CloudWatch metrics - Perform logging in a manner available to systems operators - Instrument application source code to enable tracing in AWS X-Ray Perform root cause analysis on faults found in testing or production. - Interpret the outputs from the logging mechanism in AWS to identify errors in logs - Check build and testing history in AWS services (e.g., AWS CodeBuild, AWS CodeDeploy, AWS CodePipeline) to identify issues - Utilize AWS services (e.g., Amazon CloudWatch, VPC Flow Logs, and AWS X-Ray) to locate a specific faulty component AWS Academy AWS Educate AWS re/Start AWS Skills Centers An AWS Certification is a credential issued by AWS to individuals who show they have specific knowledge, skills, and abilities. We work with AWS experts to set the bar for required experience in common cloud job roles and expertise in specific technical areas. You can show you meet that bar by taking—and passing—one of our AWS Certification exams. When you do, AWS awards you an AWS Certification. Getting AWS Certified can help you propel your career, whether you're looking to find a new role, showcase your skills to take on a new project, or become your team's go-to expert. And because AWS Certification exams are created by experts in the relevant role or technical area, preparing for one of these exams helps you build the required skills identified by skilled practitioners in the field. forecasted growth for jobs that require cloud skills in the next five years.1 of organizations with AWS Certified staff say having that staff increases innovation with AWS services.2 of IT leaders that employ AWS Certified staff say productivity improved after their staff earned AWS Certifications, and 89% report faster troubleshooting.2 Earning an AWS Certification requires passing a timed, proctored exam. Each exam has a specific number of questions, time allotment to complete the exam, and passing score. And if you're wondering what the exam will cover, what is out of scope, and what experience we suggest you have before taking the exam, you can find that information in our exam guides. You can take an AWS Certification exam from one of our test delivery providers—Pearson VUE or PSI. Some exams and some language options are only available from a specific provider. You'll want to review the options for the exam you intend to take so you know what to expect. Ready to get started? Sign up to get weekly tips and resources from AWS Training and Certification. Get exam-ready with tips on taking your exam, links to question and sample questions, and opportunities to dive deep on exam strategies with AWS expert instructors. Sign up for weekly exam tips » You can support a team in getting AWS Certified by funding AWS Certifications with exam vouchers. Signal the value of skills advancement, manage your learning and development budget strategically, and get insights on voucher usage. Learn more about exam vouchers » Join AWS experts live or on-demand to build your skills and knowledge in a range of cloud applications.

12/20/2011/ - Written by an Amazon Web Services certified expert and experienced trainer, AWS Certified Developer Associate All-in-One Exam Guide (Exam DVA-C01) covers every subject on the exam and clearly explains how to create, deploy, migrate, monitor, and debug cloud-native applications. Designed to help you pass the exam with ease, this guide also ... Pass the AWS Certified Developer - Associate (DVA-C01) exam confidently with this comprehensive guide; Gain valuable insights into designing, developing, and deploying cloud-based solutions using AWS; Develop core AWS skills with the help of practice questions and mock tests; Book Description. This book focuses on the revised version of AWS ... 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 ... In Detail. AWS Certified Developer - Associate Guide starts with a quick introduction to AWS and the prerequisites to get you started. Then, this book gives you a fair understanding of core AWS services and basic architecture. Next, this book will describe about getting familiar with Identity and Access Management (IAM) along with Virtual ... 21 مصروف It includes exam summary, sample questions, practice test, objectives and ways to interpret the exam objectives to enable candidates to assess the types of questions-answers that may be asked during the AWS Certified Developer - Associate exam. Take the challenging AWS Certified Developer Associate Exam with confidence using the comprehensive information contained in this effective test preparation guide. 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The AWS Developer Associate is for you if: you want to prove that you have practical knowledge of AWS. About this book. AWS Certified Developer - Associate Guide starts with a quick introduction to AWS and the prerequisites to get you started. Then, this book gives you a fair understanding of core AWS services and basic architecture. Next, this book will describe about getting familiar with Identity and Access Management (IAM) along with Virtual ... 212021/4/ - Passing marks for the AWS Certified Developer Associate certification exam varies daily. It could be 60% or 72% or even more but you should always prepare for 75% to pass the exam on the very first... 12/21/9/ - 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. 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Then, this book gives you a fair understanding of core AWS services and basic architecture. Next, this book will describe about getting familiar with Identity and Access Management (IAM) along with Virtual ... 4/2022/7/ - AWS Developers create and maintain applications based on AWS tools. You'll need a general coding background to understand how to step into projects at varying points in the software development life cycle. Scheduling an AWS Certified Developer Associate Certification exam is scheduled in the same way you schedule your other AWS Certification ... The AWS Certified Developer Official Study Guide - Associate (DVA-C01) Exam is written by a team of leading AWS subject-matter experts. AWS offers a broad set of global compute, storage, database, analytics, application, and deployment products and services. 2/2019/8/ - Preparation Guide for AWS Developer Associate Certification. AWS or Amazon Web Service is a Cloud Computing platform, and by name, we can understand that the IT Giant Amazon has developed this architecture. Amazon has developed and built the infrastructure for cloud computing in a format that it can grow itself with time. Take the challenging AWS Certified Developer Associate Exam with confidence using the comprehensive information contained in this effective test preparation guide. Written by an Amazon Web Services certified expert and experienced trainer, AWS Certified Developer Associate All-in-One Exam Guide (Exam DVA-C01) covers every subject on the exam ... To earn this certification, you'll need to take and pass the AWS Certified Solutions Architect - Associate exam (SAA-C02). The exam features a combination of two question formats: multiple choice and multiple response. Additional information, such as the exam content outline and passing score, is in the exam guide. Review sample questions ... 4/2022/7/ - AWS Developers create and maintain applications based on AWS tools. You'll need a general coding background to understand how to step into projects at varying points in the software development life cycle. Scheduling an AWS Certified Developer Associate Certification exam is scheduled in the same way you schedule your other AWS Certification ... 6/2016/12/ - This is always the go-to document for almost any current industry certification, and should be used as your primary guide for resources and areas to study. In the case of the AWS Exam Blueprint, they actually direct you to specific white papers to review as well as the content areas to study. AWS CDA Exam Blueprint Take the challenging AWS Certified Developer Associate Exam with confidence using the comprehensive information contained in this effective test preparation guide. Written by an Amazon Web Services certified expert and experienced trainer, AWS Certified Developer Associate All-in-One Exam Guide (Exam DVA-C01) covers every subject on the exam



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