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aws certified developer associate sample exam questions 1

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AWS Certified Developer Associate Sample Exam Questions 1: Mastering the Path to Certification

Embarking on the journey to become an **AWS Certified Developer – Associate** can feel daunting, especially when the exam's breadth spans numerous AWS services and best practices. One of the most effective ways to gauge readiness and uncover knowledge gaps is by tackling **aws certified developer associate sample exam questions 1**. These practice items mirror the real test's format and difficulty, providing a realistic snapshot of what to expect on exam day.

In this comprehensive guide, we'll walk through the exam's structure, highlight the most common question themes, present a curated set of sample questions, and share proven strategies for using these practice items to boost confidence and performance. Whether you're a seasoned cloud developer or new to AWS, this article will equip you with the tools you need to ace the exam.

Why the AWS Certified Developer – Associate Exam Matters

Exam Overview

The **AWS Certified Developer – Associate** exam evaluates a candidate's proficiency in designing, developing, and deploying cloud-based solutions using AWS. It covers core services such as **Lambda**, **Amazon S3**, **DynamoDB**, and **Amazon API Gateway**, as well as essential concepts like security, monitoring, and deployment automation.

Key exam characteristics:

- Duration: 130 minutes
- Format: Multiple-choice and multiple-response questions
- Scoring: 1000–1700 points, with a passing score of 720
- Languages: English, Japanese, Korean, and Simplified Chinese

Key Skills Tested

Successful candidates demonstrate:

1. Proficiency in developing secure, scalable, and fault-tolerant applications.
2. Knowledge of AWS services and how to integrate them effectively.
3. Experience with deployment pipelines, CI/CD, and infrastructure as code.
4. Ability to troubleshoot and optimize performance.
5. Understanding of cost management and best practices for resource usage.

Getting Started with Sample Exam Questions

What Are Sample Exam Questions?

Sample exam questions are practice items that emulate the real test's style, difficulty, and content. They are typically released by AWS, training partners, or community contributors and serve as a rehearsal for the actual exam. While they don't reveal the exact questions you'll face, they provide invaluable insight into the exam's focus

areas.

How to Use Sample Questions Effectively

Here are proven steps to maximize the benefit of your practice sessions:

1. Start with a baseline assessment. Take a full-length mock exam to identify strengths and weaknesses.
2. Segment the questions. Group them by topic (e.g., compute, storage, security) and focus on weaker areas.
3. Analyze every answer. Even correct responses warrant a review to ensure you understand the reasoning.
4. Repeat and track progress. Schedule weekly practice sessions and monitor improvement over time.
5. Simulate exam conditions. Time yourself and avoid distractions to build endurance and test-day composure.

Top 10 Sample Exam Questions for AWS Certified Developer Associate

Below are ten carefully curated sample questions that reflect the exam's style and difficulty. Each question is followed by an explanation of the correct answer and the rationale behind the distractors.

Question 1

A developer is building a serverless web application that must store user-uploaded images. The application requires that images be processed to create thumbnails and stored in Amazon S3. Which AWS service should the developer use to trigger the thumbnail creation process automatically when a new image is uploaded?

1. Amazon Simple Queue Service (SQS)
2. Amazon Simple Notification Service (SNS)
3. Amazon EventBridge
4. AWS Lambda

Answer: D. AWS Lambda

Explanation: Lambda functions can be directly triggered by S3 object creation events, making them ideal for processing uploaded images. SQS and SNS are messaging services, while EventBridge is for event routing but does not provide the direct integration with S3 that Lambda does.

Question 2

A team is deploying a new microservice using AWS Elastic Beanstalk. They want to ensure that the deployment is automated and that the service can roll back to the previous version if the new deployment fails. Which feature of Elastic Beanstalk should they use?

1. Application versions
2. Environment configuration
3. Health checks
4. Deployment preferences

Answer: D. Deployment preferences

Explanation: Deployment preferences allow you to define how traffic is shifted to the new version and set automatic rollback if health checks fail. Application versions and environment configuration are essential but do not provide rollback capabilities.

Question 3

During a code review, a peer notes that your application stores passwords in plain text. Which AWS service should you use to securely store and retrieve hashed passwords?

1. Amazon S3
2. Amazon RDS
3. Amazon DynamoDB
4. Amazon Cognito

Answer: D. Amazon Cognito

Explanation: Amazon Cognito manages user authentication and securely stores credentials. While DynamoDB can store hashed passwords, Cognito provides built-in authentication flows and security best practices.

Question 4

A developer needs to grant an application permission to read items from a DynamoDB table. Which IAM policy element should be included?

1. Action: dynamodb:PutItem
2. Action: dynamodb:DeleteItem
3. Action: dynamodb:Scan
4. Action: dynamodb:GetItem

Answer: D. Action: <code>dynamodb:GetItem</code>

Explanation: dynamodb:GetItem grants read access to a single item. dynamodb:Scan would read all items but is less efficient; dynamodb:PutItem and dynamodb:DeleteItem are write operations.

Question 5

You are deploying a Lambda function that processes data from an Amazon Kinesis stream. The function must be triggered as soon as new records arrive. Which configuration setting should you enable?

1. Event source mapping
2. Lambda layers
3. Dead-letter queue
4. Environment variables

Answer: A. Event source mapping

Explanation: Event source mapping connects a Lambda function to a data stream (Kinesis, DynamoDB, SQS) and automatically triggers the function when new data arrives.

Question 6

A developer wants to enforce that only specific IP addresses can access an API Gateway endpoint. Which feature should they configure?

1. Resource policies
2. Lambda authorizers
3. Usage plans
4. API keys

Answer: A. Resource policies

Explanation: Resource policies allow you to specify IP address restrictions directly on the API Gateway stage. Lambda authorizers and usage plans handle authentication, while API keys manage quota and throttling.

Question 7

The application requires that all log data be archived for at least 7 years. Which AWS service should the developer use to meet this requirement cost effectively?

1. Amazon CloudWatch Logs
2. Amazon S3 Glacier Deep Archive
3. Amazon RDS Backup
4. Amazon Redshift Spectrum

Answer: B. Amazon S3 Glacier Deep Archive

Explanation: Glacier Deep Archive offers the lowest storage cost for long-term retention, making it ideal for logs that need to be preserved for many years. CloudWatch Logs has higher storage costs and is primarily for real-time monitoring.

Question 8

Which AWS service provides a managed database that automatically scales read capacity in response to traffic spikes?

1. Amazon Aurora Serverless
2. Amazon DynamoDB
3. Amazon RDS MySQL
4. Amazon Neptune

Answer: B. Amazon DynamoDB

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