Aws Solution Architect Associate Exam Questions And Answers

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AWS Certified Solutions Architect Associate (SAA-C01) Exam Question Answer 2020
Part:1
VERY IMPORTANT

AWS Solution Architect Associate Exam Questions and Answers are essential for anyone looking to validate their skills in designing distributed applications and systems on the Amazon Web Services (AWS) platform. The AWS Certified Solutions Architect - Associate exam is one of the most sought-after certifications in the cloud computing space. It assesses one's ability to design, deploy, and manage applications on AWS. This article aims to provide a comprehensive overview of the exam, including key topics, sample questions, and effective preparation strategies.

Understanding the AWS Solution Architect Associate Exam

The AWS Certified Solutions Architect - Associate exam is designed for individuals who have experience in designing and deploying applications on AWS. It evaluates candidates on their ability to:

- Define AWS architectural best practices
- Choose the right AWS services for applications
- Migrate complex, multi-tier applications on AWS
- Ensure high availability, fault tolerance, and scalability of applications

Exam Format

The exam consists of multiple-choice and multiple-response questions. Here are some key points about the format:

- Number of Questions: 65
- Duration: 130 minutes
- Passing Score: 720 out of 1000
- Cost: $150

Key Topics Covered

To prepare effectively, candidates should familiarize themselves with the core topics covered in the exam. These topics include:

1. Design Resilient Architectures
- Choose reliable and scalable storage solutions
- Implement multi-tier architectures
- Manage service limits and quotas

2. Define Performant Architectures
- Select appropriate compute and network resources
- Optimize performance for storage and database solutions

3. Specify Secure Applications and Architectures
- Implement security best practices
- Use AWS Identity and Access Management (IAM)
- Encrypt data at rest and in transit

4. Design Cost-Optimized Architectures
- Understand AWS pricing models
- Evaluate cost-effectiveness of different architectures

5. Define Operationally Excellent Architectures
- Monitor, log, and automate operations
- Implement disaster recovery solutions

Sample Exam Questions and Answers

Here are some sample questions that reflect the types of scenarios and knowledge areas you may encounter on the exam:

Question 1: Which AWS service can be used to run serverless applications?

- A) Amazon EC2
- B) AWS Lambda
- C) Amazon RDS
- D) Amazon S3

Answer: B) AWS Lambda

AWS Lambda is a serverless compute service that lets you run code without provisioning or managing servers. You can trigger Lambda functions in response to various events such as changes in data or system state.

Question 2: Which of the following is a benefit of using Amazon S3 for storage?

- A) Inherent redundancy and scalability
- B) Requires manual backups
- C) Limited storage capacity
- D) Only supports file storage

Answer: A) Inherent redundancy and scalability

Amazon S3 provides durability and high availability, along with the ability to scale your storage needs automatically.

Question 3: What is the purpose of an Amazon VPC?

- A) To host databases
- B) To run applications
- C) To create isolated networks in the cloud
- D) To provide load balancing

Answer: C) To create isolated networks in the cloud

Amazon Virtual Private Cloud (VPC) allows you to create a logically isolated section of the AWS cloud where you can launch AWS resources in a virtual network.

Question 4: You need to ensure that your application is highly available. Which AWS services can help you achieve this? (Select TWO)

- A) Amazon Route 53
- B) Amazon S3
- C) Amazon EC2 Auto Scaling
- D) Amazon RDS Read Replicas

Answer: A) Amazon Route 53 and C) Amazon EC2 Auto Scaling

Amazon Route 53 can help with DNS routing to ensure users are directed to healthy endpoints, while EC2 Auto Scaling can automatically adjust the number of EC2 instances based on demand.

Question 5: What AWS service provides a fully managed NoSQL database?

- A) Amazon RDS
- B) Amazon Aurora
- C) Amazon DynamoDB
- D) Amazon Redshift

Answer: C) Amazon DynamoDB

Amazon DynamoDB is a fully managed NoSQL database service that provides fast and predictable performance with seamless scalability.

Preparation Strategies for the Exam

To successfully pass the AWS Certified Solutions Architect - Associate exam, candidates should adopt a structured study plan. Here are some effective strategies:

1. Understand the Exam Blueprint

Familiarize yourself with the exam guide provided by AWS. This document outlines the domains covered in the exam and the weight each domain carries in terms of questions.

2. Use Official AWS Training Resources

AWS provides a range of training resources, including:

- AWS Training and Certification: Online courses and classroom training
- AWS Whitepapers: Key documents that cover best practices and architectural frameworks
- AWS FAQs: Frequently Asked Questions for each service

3. Practice with Sample Questions

Utilize practice exams and sample questions to familiarize yourself with the exam format. Websites like AWS Skill Builder offer practice scenarios that can help you assess your readiness.

4. Hands-On Experience

Set up a free-tier AWS account to gain practical experience. Working with real AWS services will help you understand how they function and interact with each other.

5. Join Study Groups and Forums

Participate in online forums and study groups. Engaging with peers can provide additional insights and clarify challenging concepts.

6. Review Exam Insights and Test-Taking Strategies

Consider the following tips:

- Read each question carefully and eliminate clearly wrong answers.
- Manage your time effectively; don’t spend too long on any one question.
- If unsure about an answer, mark it for review and come back if time permits.

Conclusion

The AWS Certified Solutions Architect - Associate exam is a valuable certification for those looking to advance their careers in cloud architecture. By understanding the exam structure, familiarizing yourself with the key topics, and employing effective study strategies, you can greatly enhance your chances of success. Remember, hands-on experience combined with theoretical knowledge will give you a comprehensive understanding of AWS services and best practices, preparing you not just for the exam, but for real-world cloud architecture challenges as well.

Frequently Asked Questions

What types of questions can I expect on the AWS Certified Solutions Architect - Associate exam?

The exam typically includes multiple-choice and multiple-answer questions that assess your ability to design distributed systems and solutions on AWS.

How many questions are on the AWS Solutions Architect Associate exam?

The exam consists of 65 questions.

What is the passing score for the AWS Certified Solutions Architect - Associate exam?

The passing score is 720 out of 1000.

What topics are covered in the AWS Solutions Architect Associate exam?

Key topics include designing resilient architectures, high-performing architectures, secure applications, and cost-optimized architectures.

Are there any prerequisites for taking the AWS Certified Solutions Architect - Associate exam?

While there are no formal prerequisites, AWS recommends having hands-on experience with AWS services and a basic understanding of cloud computing.

How can I best prepare for the AWS Solutions Architect Associate exam?

Utilizing AWS training resources, taking practice exams, studying whitepapers, and hands-on experience with AWS services are effective preparation methods.

What is the duration of the AWS Certified Solutions Architect - Associate exam?

The exam duration is 130 minutes.

Is the AWS Solutions Architect Associate exam available in multiple languages?

Yes, the exam is available in several languages including English, Japanese, Korean, and Simplified Chinese.

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