



SAA-C01

AWS Solutions Architect Associate

Exam Summary – Syllabus – Questions

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Introduction to SAA-C01 Exam on AWS

Solutions Architect Associate

The AWS SAA-C01 exam preparation guide is designed to provide candidates with necessary information about the AWS-SAA 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 Solutions Architect - Associate exam.

It is recommended for all the candidates to refer the SAA-C01 objectives and sample questions provided in this preparation guide. The AWS-SAA certification is mainly targeted to the candidates who want to build their career in Architect 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 Solutions Architect Associate exam.

AWS SAA-C01 Certification Details:

Exam Name	AWS Solutions Architect Associate (AWS-SAA)
Exam Code	SAA-C01
Exam Price	\$150 USD
Duration	130 minutes
Number of Questions	65
Passing Score	720 / 1000
Recommended Training / Books	Architecting on AWS
Schedule Exam	AWS Certification
Sample Questions	AWS SAA-C01 Sample Questions
Recommended Practice	AWS Certified Solutions Architect - Associate Practice Test

AWS SAA-C01 Exam Syllabus:

Section	Objectives	Weight
Design Resilient Architectures	<ul style="list-style-type: none"> - Choose reliable/resilient storage. - Determine how to design decoupling mechanisms using AWS services. - Determine how to design a multi-tier architecture solution. - Determine how to design high availability and/or fault tolerant architectures. 	34%
Define Performant Architectures	<ul style="list-style-type: none"> - Choose performant storage and databases. - Apply caching to improve performance. - Design solutions for elasticity and scalability. 	24%
Specify Secure Applications and Architectures	<ul style="list-style-type: none"> - Determine how to secure application tiers. - Determine how to secure data. - Define the networking infrastructure for a single VPC application. 	26%
Design Cost-Optimized Architectures	<ul style="list-style-type: none"> - Determine how to design cost-optimized storage. - Determine how to design cost-optimized compute. 	10%
Define Operationally Excellent Architectures	<ul style="list-style-type: none"> - Choose design features in solutions that enable operational excellence. 	6%

SAA-C01 Sample Questions:

01. An application saves the logs to an S3 bucket. A user wants to keep the logs for one month for troubleshooting purposes, and then purge the logs. What feature will enable this?

- a) Adding a bucket policy on the S3 bucket.
- b) Configuring lifecycle configuration rules on the S3 bucket.
- c) Creating an IAM policy for the S3 bucket.
- d) Enabling CORS on the S3 bucket.

02. A company is developing a highly available web application using stateless web servers. Which services are suitable for storing session state data?

(Select TWO.)

- a) CloudWatch
- b) DynamoDB
- c) Elastic Load Balancing
- d) ElastiCache
- e) Storage Gateway

3. An application requires a highly available relational database with an initial storage capacity of 8 TB. The database will grow by 8 GB every day. To support expected traffic, at least eight read replicas will be required to handle database reads. Which option will meet these requirements?

- a) DynamoDB
- b) Amazon S3
- c) Amazon Aurora
- d) Amazon Redshift

04. Company salespeople upload their sales figures daily. A Solutions Architect needs a durable storage solution for these documents that also protects against users accidentally deleting important documents.

Which action will protect against unintended user actions?

- a) Store data in an EBS volume and create snapshots once a week.
- b) Store data in an S3 bucket and enable versioning.
- c) Store data in two S3 buckets in different AWS regions.
- d) Store data on EC2 instance storage.

05. A Solutions Architect is designing an online shopping application running in a VPC on EC2 instances behind an ELB Application Load Balancer. The instances run in an Auto Scaling group across multiple Availability Zones. The application tier must read and write data to a customer managed database cluster. There should be no access to the database from the Internet, but the cluster must be able to obtain software patches from the Internet.

Which VPC design meets these requirements?

- a) Public subnets for both the application tier and the database cluster
- b) Public subnets for the application tier, and private subnets for the database cluster
- c) Public subnets for the application tier and NAT Gateway, and private subnets for the database cluster
- d) Public subnets for the application tier, and private subnets for the database cluster and NAT Gateway

06. A Solutions Architect is designing a critical business application with a relational database that runs on an EC2 instance. It requires a single EBS volume that can support up to 16,000 IOPS.

Which Amazon EBS volume type can meet the performance requirements of this application?

- a) EBS Provisioned IOPS SSD
- b) EBS Throughput Optimized HDD
- c) EBS General Purpose SSD
- d) EBS Cold HDD

07. An organization is building an Amazon Redshift cluster in their shared services VPC. The cluster will host sensitive data. How can the organization control which networks can access the cluster?

- a) Run the cluster in a different VPC and connect through VPC peering.
- b) Create a database user inside the Amazon Redshift cluster only for users on the network.
- c) Define a cluster security group for the cluster that allows access from the allowed networks.
- d) Only allow access to networks that connect with the shared services network via VPN.

08. A company is storing an access key (access key ID and secret access key) in a text file on a custom AMI. The company uses the access key to access DynamoDB tables from instances created from the AMI. The security team has mandated a more secure solution.

Which solution will meet the security team's mandate?

- a) Put the access key in an S3 bucket, and retrieve the access key on boot from the instance.
- b) Pass the access key to the instances through instance user data.
- c) Obtain the access key from a key server launched in a private subnet.
- d) Create an IAM role with permissions to access the table, and launch all instances with the new role.

09. An application running on EC2 instances processes sensitive information stored on Amazon S3. The information is accessed over the Internet. The security team is concerned that the Internet connectivity to Amazon S3 is a security risk. Which solution will resolve the security concern?

- a) Access the data through an Internet Gateway.
- b) Access the data through a VPN connection.
- c) Access the data through a NAT Gateway.
- d) Access the data through a VPC endpoint for Amazon S3.

10. A web application allows customers to upload orders to an S3 bucket. The resulting Amazon S3 events trigger a Lambda function that inserts a message to an SQS queue.

A single EC2 instance reads messages from the queue, processes them, and stores them in a DynamoDB table partitioned by unique order ID. Next month traffic is expected to increase by a factor of 10 and a Solutions Architect is reviewing the architecture for possible scaling problems.

Which component is MOST likely to need re-architecting to be able to scale to accommodate the new traffic?

- a) Lambda function
- b) SQS queue
- c) EC2 instance
- d) DynamoDB table

Answers to SAA-C01 Exam Questions:

Question: 01 Answer: b	Question: 02 Answer: b, d	Question: 03 Answer: c	Question: 04 Answer: b	Question: 05 Answer: c
Question: 06 Answer: a	Question: 07 Answer: c	Question: 08 Answer: d	Question: 09 Answer: d	Question: 10 Answer: c

Note: If you find any typo or data entry error in these sample questions, we request you to update us by commenting on this page or write an email on feedback@vmexam.com