

## AWS SAA-C03

### **AWS-SAA Certification Questions & Answers**

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SAA-C03 <u>AWS Certified Solutions Architect - Associate</u> 65 Questions Exam – 720 / 1000 Cut Score – Duration of 130 minutes





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## Discover More about the SAA-C03 Certification

Are you interested in passing the AWS SAA-C03 exam? First discover, who benefits from the SAA-C03 certification. The SAA-C03 is suitable for a candidate if he wants to learn about Architect. Passing the SAA-C03 exam earns you the AWS Certified Solutions Architect - Associate title.

While preparing for the SAA-C03 exam, many candidates struggle to get the necessary materials. But do not worry; your struggling days are over. The SAA-C03 PDF contains some of the most valuable preparation tips and the details and instant access to useful <u>SAA-C03 study materials just at one click</u>.

# SAA-C03 AWS Solutions Architect Associate Certification Details:

Exam Name	AWS Solutions Architect Associate (AWS-SAA)
Exam Code	SAA-C03
Exam Price	\$150 USD
Duration	130 minutes
Number of	65
Questions	
Passing Score	720 / 1000
Recommended	AWS Technical Essentials
Training / Books	AWS Power Hour: Architecting on-demand
Training / BOOKS	Architecting on AWS
Schedule Exam	AWS Certification
Sample Questions	AWS SAA-C03 Sample Questions
Recommended	AWS Certified Solutions Architect - Associate Practice
Practice	<u>Test</u>

## SAA-C03 Syllabus:

Section	Objectives
D	esign Secure Architectures - 30%
Design secure access to AWS resources.	<ul><li>Knowledge of:</li><li>Access controls and management across multiple accounts</li></ul>



Section	Objectives
	<ul> <li>AWS federated access and identity services (for example, AWS Identity and Access Management [IAM], AWS Single Sign-On [AWS SSO])</li> </ul>
	<ul> <li>AWS global infrastructure (for example, Availability Zones, AWS Regions)</li> </ul>
	<ul> <li>AWS security best practices (for example, the principle of least privilege)</li> </ul>
	The AWS shared responsibility model
	Skills in:
	<ul> <li>Applying AWS security best practices to IAM users and root users (for example, multi-factor authentication [MFA])</li> </ul>
	<ul> <li>Designing a flexible authorization model that includes IAM users, groups, roles, and policies</li> </ul>
	<ul> <li>Designing a role-based access control strategy (for example, AWS Security Token Service [AWS STS], role switching, cross-account access)</li> </ul>
	<ul> <li>Designing a security strategy for multiple AWS accounts (for example, AWS Control Tower, service control policies [SCPs])</li> </ul>
	<ul> <li>Determining the appropriate use of resource policies for AWS services</li> </ul>
	<ul> <li>Determining when to federate a directory service with IAM roles</li> </ul>
	Knowledge of:
	<ul><li>Application configuration and credentials security</li><li>AWS service endpoints</li></ul>
	Control ports, protocols, and network traffic on AWS
	Secure application access
Design secure workloads and	<ul> <li>Security services with appropriate use cases (for example, Amazon Cognito, Amazon GuardDuty, Amazon Macie)</li> </ul>
applications.	<ul> <li>Threat vectors external to AWS (for example, DDoS, SQL injection)</li> </ul>
	Skills in:
	<ul> <li>Designing VPC architectures with security components (for example, security groups, route tables, network ACLs, NAT gateways)</li> </ul>
	<ul> <li>Determining network segmentation strategies (for example, using public subnets and private subnets)</li> </ul>



Section	Objectives
	<ul> <li>Integrating AWS services to secure applications (for example, AWS Shield, AWS WAF, AWS SSO, AWS Secrets Manager)</li> </ul>
	<ul> <li>Securing external network connections to and from the AWS Cloud (for example, VPN, AWS Direct Connect)</li> </ul>
	Knowledge of:
	<ul><li>Data access and governance</li><li>Data recovery</li></ul>
	<ul> <li>Data retention and classification</li> </ul>
	<ul> <li>Encryption and appropriate key management</li> </ul>
	Skills in:
Determine appropriate data	<ul> <li>Aligning AWS technologies to meet compliance requirements</li> </ul>
security controls.	<ul> <li>Encrypting data at rest (for example, AWS Key Management Service [AWS KMS])</li> </ul>
	• Encrypting data in transit (for example, AWS Certificate Manager [ACM] using TLS)
	Implementing access policies for encryption keys
	<ul> <li>Implementing data backups and replications</li> </ul>
	<ul> <li>Implementing policies for data access, lifecycle, and protection</li> </ul>
	<ul> <li>Rotating encryption keys and renewing certificates</li> </ul>
De	sign Resilient Architectures - 26%
	Knowledge of:
	<ul> <li>API creation and management (for example, Amazon API Gateway, REST API)</li> </ul>
	<ul> <li>AWS managed services with appropriate use cases (for example, AWS Transfer Family, Amazon Simple Queue Service [Amazon SQS], Secrets Manager)</li> </ul>
Design scalable	Caching strategies
and loosely coupled	<ul> <li>Design principles for microservices (for example, stateless workloads compared with stateful workloads)</li> </ul>
architectures.	Event-driven architectures
	Horizontal scaling and vertical scaling
	<ul> <li>How to appropriately use edge accelerators (for example, content delivery network [CDN])</li> </ul>
	How to migrate applications into containers
	Load balancing concepts (for example, Application Load Balancer)



Section	Objectives
	Multi-tier architectures
	<ul> <li>Queuing and messaging concepts (for example, publish/subscribe)</li> </ul>
	<ul> <li>Serverless technologies and patterns (for example, AWS Fargate, AWS Lambda)</li> </ul>
	<ul> <li>Storage types with associated characteristics (for example, object, file, block)</li> </ul>
	<ul> <li>The orchestration of containers (for example, Amazon Elastic Container Service [Amazon ECS], Amazon Elastic Kubernetes Service [Amazon EKS])</li> </ul>
	When to use read replicas
	<ul> <li>Workflow orchestration (for example, AWS Step Functions)</li> </ul>
	Skills in:
	<ul> <li>Designing event-driven, microservice, and/or multi-tier architectures based on requirements</li> </ul>
	<ul> <li>Determining scaling strategies for components used in an architecture design</li> </ul>
	<ul> <li>Determining the AWS services required to achieve loose coupling based on requirements</li> </ul>
	Determining when to use containers
	<ul> <li>Determining when to use serverless technologies and patterns</li> </ul>
	<ul> <li>Recommending appropriate compute, storage, networking, and database technologies based on requirements</li> </ul>
	Using purpose-built AWS services for workloads
	Knowledge of:
	<ul> <li>AWS global infrastructure (for example, Availability Zones, AWS Regions, Amazon Route 53)</li> </ul>
	<ul> <li>AWS managed services with appropriate use cases (for example, Amazon Comprehend, Amazon Polly)</li> </ul>
Design highly	Basic networking concepts (for example, route tables)
available and/or fault-tolerant architectures.	<ul> <li>Disaster recovery (DR) strategies (for example, backup and restore, pilot light, warm standby, active-active failover, recovery point objective [RPO], recovery time objective [RTO])</li> </ul>
	Distributed design patterns
	Failover strategies
	Immutable infrastructure
	<ul> <li>Load balancing concepts (for example, Application Load Balancer)</li> </ul>



Section	Objectives
	Proxy concepts (for example, Amazon RDS Proxy)
	<ul> <li>Service quotas and throttling (for example, how to configure the service quotas for a workload in a standby environment)</li> </ul>
	<ul> <li>Storage options and characteristics (for example, durability, replication)</li> </ul>
	<ul> <li>Workload visibility (for example, AWS X-Ray)</li> </ul>
	Skills in:
	<ul> <li>Determining automation strategies to ensure infrastructure integrity</li> </ul>
	<ul> <li>Determining the AWS services required to provide a highly available and/or fault-tolerant architecture across AWS Regions or Availability Zones</li> </ul>
	<ul> <li>Identifying metrics based on business requirements to deliver a highly available solution</li> </ul>
	Implementing designs to mitigate single points of failure
	<ul> <li>Implementing strategies to ensure the durability and availability of data (for example, backups)</li> </ul>
	<ul> <li>Selecting an appropriate DR strategy to meet business requirements</li> </ul>
	<ul> <li>Using AWS services that improve the reliability of legacy applications and applications not built for the cloud (for example, when application changes are not possible)</li> </ul>
	<ul> <li>Using purpose-built AWS services for workloads</li> </ul>
Design	High-Performing Architectures - 24%
	Knowledge of:
Determine high-	<ul> <li>Hybrid storage solutions to meet business requirements</li> <li>Storage services with appropriate use cases (for example, Amazon S3, Amazon Elastic File System [Amazon EFS], Amazon Elastic Block Store [Amazon EBS])</li> </ul>
performing and/or scalable storage	<ul> <li>Storage types with associated characteristics (for example, object, file, block)</li> </ul>
solutions.	Skills in:
	<ul> <li>Determining storage services and configurations that meet performance demands</li> </ul>
	<ul> <li>Determining storage services that can scale to accommodate future needs</li> </ul>
Design high- performing and	Knowledge of:

Section	Objectives
elastic compute	
solutions.	<ul> <li>AWS compute services with appropriate use cases (for example, AWS Batch, Amazon EMR, Fargate)</li> </ul>
	<ul> <li>Distributed computing concepts supported by AWS global infrastructure and edge services</li> </ul>
	<ul> <li>Queuing and messaging concepts (for example, publish/subscribe)</li> </ul>
	<ul> <li>Scalability capabilities with appropriate use cases (for example, Amazon EC2 Auto Scaling, AWS Auto Scaling)</li> </ul>
	<ul> <li>Serverless technologies and patterns (for example, Lambda, Fargate)</li> </ul>
	<ul> <li>The orchestration of containers (for example, Amazon ECS, Amazon EKS)</li> </ul>
	Skills in:
	<ul> <li>Decoupling workloads so that components can scale independently</li> </ul>
	<ul> <li>Identifying metrics and conditions to perform scaling actions</li> </ul>
	• Selecting the appropriate compute options and features (for example, EC2 instance types) to meet business requirements
	<ul> <li>Selecting the appropriate resource type and size (for example, the amount of Lambda memory) to meet business requirements</li> </ul>
	Knowledge of:
	<ul> <li>AWS global infrastructure (for example, Availability Zones, AWS Regions)</li> </ul>
	<ul> <li>Caching strategies and services (for example, Amazon ElastiCache)</li> </ul>
	<ul> <li>Data access patterns (for example, read-intensive compared with write-intensive)</li> </ul>
Determine high- performing	<ul> <li>Database capacity planning (for example, capacity units, instance types, Provisioned IOPS)</li> </ul>
database	Database connections and proxies
solutions.	<ul> <li>Database engines with appropriate use cases (for example, heterogeneous migrations, homogeneous migrations)</li> </ul>
	Database replication (for example, read replicas)
	<ul> <li>Database types and services (for example, serverless, relational compared with non-relational, in-memory)</li> </ul>
	Skills in:
	Configuring read replicas to meet business requirements



Section	Objectives
	Designing database architectures
	<ul> <li>Determining an appropriate database engine (for example, MySQL compared with PostgreSQL)</li> </ul>
	<ul> <li>Determining an appropriate database type (for example, Amazon Aurora, Amazon DynamoDB)</li> </ul>
	<ul> <li>Integrating caching to meet business requirements</li> </ul>
	Knowledge of:
	<ul> <li>Edge networking services with appropriate use cases (for example, Amazon CloudFront, AWS Global Accelerator)</li> </ul>
	<ul> <li>How to design network architecture (for example, subnet tiers, routing, IP addressing)</li> </ul>
Determine high-	<ul> <li>Load balancing concepts (for example, Application Load Balancer)</li> </ul>
performing and/or scalable network	<ul> <li>Network connection options (for example, AWS VPN, Direct Connect, AWS PrivateLink)</li> </ul>
architectures.	Skills in:
	<ul> <li>Creating a network topology for various architectures (for example, global, hybrid, multi-tier)</li> </ul>
	<ul> <li>Determining network configurations that can scale to accommodate future needs</li> </ul>
	<ul> <li>Determining the appropriate placement of resources to meet business requirements</li> </ul>
	<ul> <li>Selecting the appropriate load balancing strategy</li> </ul>
	Knowledge of:
	<ul> <li>Data analytics and visualization services with appropriate use cases (for example, Amazon Athena, AWS Lake Formation, Amazon QuickSight)</li> </ul>
	Data ingestion patterns (for example, frequency)
Determine high-	<ul> <li>Data transfer services with appropriate use cases (for example, AWS DataSync, AWS Storage Gateway)</li> </ul>
performing data ingestion and	<ul> <li>Data transformation services with appropriate use cases (for example, AWS Glue)</li> </ul>
transformation	Secure access to ingestion access points
solutions.	Sizes and speeds needed to meet business requirements
	<ul> <li>Streaming data services with appropriate use cases (for example, Amazon Kinesis)</li> </ul>
	Skills in:
	Building and securing data lakes
	Designing data streaming architectures



Section	Objectives
	Designing data transfer solutions
	Implementing visualization strategies
	<ul> <li>Selecting appropriate compute options for data processing (for example, Amazon EMR)</li> </ul>
	Selecting appropriate configurations for ingestion
	<ul> <li>Transforming data between formats (for example, .csv to .parquet)</li> </ul>
Desigr	n Cost-Optimized Architectures - 20%
	Knowledge of:
	<ul> <li>Access options (for example, an S3 bucket with Requester Pays object storage)</li> </ul>
	<ul> <li>AWS cost management service features (for example, cost allocation tags, multi-account billing)</li> </ul>
	AWS cost management tools with appropriate use cases (for example, AWS Cost Explorer, AWS Budgets, AWS Cost and Usage Report)
	<ul> <li>AWS storage services with appropriate use cases (for example, Amazon FSx, Amazon EFS, Amazon S3, Amazon EBS)</li> </ul>
	Backup strategies
	<ul> <li>Block storage options (for example, hard disk drive [HDD] volume types, solid state drive [SSD] volume types)</li> </ul>
Design cost-	Data lifecycles
optimized storage solutions.	<ul> <li>Hybrid storage options (for example, DataSync, Transfer Family, Storage Gateway)</li> </ul>
	Storage access patterns
	<ul> <li>Storage tiering (for example, cold tiering for object storage)</li> </ul>
	<ul> <li>Storage types with associated characteristics (for example, object, file, block)</li> </ul>
	Skills in:
	<ul> <li>Designing appropriate storage strategies (for example, batch uploads to Amazon S3 compared with individual uploads)</li> </ul>
	<ul> <li>Determining the correct storage size for a workload</li> <li>Determining the lowest cost method of transferring data for a workload to AWS storage</li> </ul>
	<ul> <li>Determining when storage auto scaling is required</li> <li>Managing S3 object lifecycles</li> </ul>



Section	Objectives
	<ul> <li>Selecting the appropriate backup and/or archival solution</li> </ul>
	<ul> <li>Selecting the appropriate service for data migration to storage services</li> </ul>
	Selecting the appropriate storage tier
	Selecting the correct data lifecycle for storage
	<ul> <li>Selecting the most cost-effective storage service for a workload</li> </ul>
	Knowledge of:
	<ul> <li>AWS cost management service features (for example, cost allocation tags, multi-account billing)</li> </ul>
	<ul> <li>AWS cost management tools with appropriate use cases (for example, Cost Explorer, AWS Budgets, AWS Cost and Usage Report)</li> </ul>
	<ul> <li>AWS global infrastructure (for example, Availability Zones, AWS Regions)</li> </ul>
	<ul> <li>AWS purchasing options (for example, Spot Instances, Reserved Instances, Savings Plans)</li> </ul>
	<ul> <li>Distributed compute strategies (for example, edge processing)</li> </ul>
	<ul> <li>Hybrid compute options (for example, AWS Outposts, AWS Snowball Edge)</li> </ul>
Design cost-	<ul> <li>Instance types, families, and sizes (for example, memory optimized, compute optimized, virtualization)</li> </ul>
optimized compute	<ul> <li>Optimization of compute utilization (for example, containers, serverless computing, microservices)</li> </ul>
solutions.	<ul> <li>Scaling strategies (for example, auto scaling, hibernation)</li> </ul>
	Skills in:
	<ul> <li>Determining an appropriate load balancing strategy (for example, Application Load Balancer [Layer 7] compared with Network Load Balancer [Layer 4] compared with Gateway Load Balancer)</li> </ul>
	<ul> <li>Determining appropriate scaling methods and strategies for elastic workloads (for example, horizontal compared with vertical, EC2 hibernation)</li> </ul>
	<ul> <li>Determining cost-effective AWS compute services with appropriate use cases (for example, Lambda, Amazon EC2, Fargate)</li> </ul>
	<ul> <li>Determining the required availability for different classes of workloads (for example, production workloads, non-production workloads)</li> </ul>
	Selecting the appropriate instance family for a workload



Section	Objectives
	Selecting the appropriate instance size for a workload
	Knowledge of:
	<ul> <li>AWS cost management service features (for example, cost allocation tags, multi-account billing)</li> </ul>
	• AWS cost management tools with appropriate use cases (for example, Cost Explorer, AWS Budgets, AWS Cost and Usage Report)
	Caching strategies
	Data retention policies
	<ul> <li>Database capacity planning (for example, capacity units)</li> </ul>
	Database connections and proxies
Design cost-	<ul> <li>Database engines with appropriate use cases (for example, heterogeneous migrations, homogeneous migrations)</li> </ul>
optimized database	Database replication (for example, read replicas)
solutions.	<ul> <li>Database types and services (for example, relational compared with non-relational, Aurora, DynamoDB)</li> </ul>
	Skills in:
	• Designing appropriate backup and retention policies (for example, snapshot frequency)
	<ul> <li>Determining an appropriate database engine (for example, MySQL compared with PostgreSQL)</li> </ul>
	<ul> <li>Determining cost-effective AWS database services with appropriate use cases (for example, DynamoDB compared with Amazon RDS, serverless)</li> </ul>
	<ul> <li>Determining cost-effective AWS database types (for example, time series format, columnar format)</li> </ul>
	<ul> <li>Migrating database schemas and data to different locations and/or different database engines</li> </ul>
	Knowledge of:
	<ul> <li>AWS cost management service features (for example, cost allocation tags, multi-account billing)</li> </ul>
Design cost- optimized network architectures.	• AWS cost management tools with appropriate use cases (for example, Cost Explorer, AWS Budgets, AWS Cost and Usage Report)
	Load balancing concepts (for example, Application Load Balancer)
	<ul> <li>NAT gateways (for example, NAT instance costs compared with NAT gateway costs)</li> </ul>
	<ul> <li>Network connectivity (for example, private lines, dedicated lines, VPNs)</li> </ul>



Section	Objectives
	<ul> <li>Network routing, topology, and peering (for example, AWS Transit Gateway, VPC peering)</li> </ul>
	<ul> <li>Network services with appropriate use cases (for example, DNS)</li> </ul>
	Skills in:
	<ul> <li>Configuring appropriate NAT gateway types for a network (for example, a single shared NAT gateway compared with NAT gateways for each Availability Zone)</li> </ul>
	<ul> <li>Configuring appropriate network connections (for example, Direct Connect compared with VPN compared with internet)</li> </ul>
	<ul> <li>Configuring appropriate network routes to minimize network transfer costs (for example, Region to Region, Availability Zone to Availability Zone, private to public, Global Accelerator, VPC endpoints)</li> </ul>
	<ul> <li>Determining strategic needs for content delivery networks (CDNs) and edge caching</li> </ul>
	Reviewing existing workloads for network optimizations
	<ul> <li>Selecting an appropriate throttling strategy</li> </ul>
	<ul> <li>Selecting the appropriate bandwidth allocation for a network device (for example, a single VPN compared with multiple VPNs, Direct Connect speed)</li> </ul>

## Broaden Your Knowledge with AWS SAA-C03 Sample Questions:

#### **Question: 1**

An analytics company is planning to offer a web analytics service to its users. The service will require that the users' webpages include a JavaScript script that makes authenticated GET requests to the company's Amazon S3 bucket.

What must a solutions architect do to ensure that the script will successfully execute?

- a) Enable cross-origin resource sharing (CORS) on the S3 bucket.
- b) Enable S3 Versioning on the S3 bucket.
- c) Provide the users with a signed URL for the script.
- d) Configure an S3 bucket policy to allow public execute privileges.

Answer: a



A solutions architect wants to design a solution to save costs for Amazon EC2 instances that do not need to run during a 2-week company shutdown.

The applications running on the EC2 instances store data in instance memory that must be present when the instances resume operation.

Which approach should the solutions architect recommend to shut down and resume the EC2 instances?

- a) Modify the application to store the data on instance store volumes. Reattach the volumes while restarting them.
- b) Run the applications on EC2 instances enabled for hibernation. Hibernate the instances before the 2-week company shutdown.
- c) Snapshot the EC2 instances before stopping them. Restore the snapshot after restarting the instances.
- d) Note the Availability Zone for each EC2 instance before stopping it. Restart the instances in the same Availability Zones after the 2-week company shutdown.

Answer: b

#### **Question: 3**

A company runs an online voting system for a weekly live television program. During broadcasts, users submit hundreds of thousands of votes within minutes to a front-end fleet of Amazon EC2 instances that run in an Auto Scaling group. The EC2 instances write the votes to an Amazon RDS database.

However, the database is unable to keep up with the requests that come from the EC2 instances. A solutions architect must design a solution that processes the votes in the most efficient manner and without downtime.

Which solution meets these requirements?

- a) Migrate the front-end application to AWS Lambda. Use Amazon API Gateway to route user requests to the Lambda functions.
- b) Scale the database horizontally by converting it to a Multi-AZ deployment. Configure the front-end application to write to both the primary and secondary DB instances
- c) Configure the front-end application to send votes to an Amazon Simple Queue Service (Amazon SQS) queue. Provision worker instances to read the SQS queue and write the vote information to the database.
- d) Use Amazon EventBridge (Amazon CloudWatch Events) to create a scheduled event to re-provision the database with larger, memory optimized instances during voting periods. When voting ends, re-provision the database to use smaller instances.

#### Answer: c



A company's security team requires that all data stored in the cloud be encrypted at rest at all times using encryption keys stored on premises.

Which encryption options meet these requirements?

(Select TWO.)

- a) Use server-side encryption with Amazon S3 managed encryption keys (SSE-S3)
- b) Use server-side encryption with AWS KMS managed encryption keys (SSE-KMS).
- c) Use server-side encryption with customer-provided encryption keys (SSE-C).
- d) Use client-side encryption to provide at-rest encryption.
- e) Use an AWS Lambda function invoked by Amazon S3 events to encrypt the data using the customer's keys.

Answer: c, d

#### **Question: 5**

A company plans to run a monitoring application on an Amazon EC2 instance in a VPC. Connections are made to the EC2 instance using the instance's private IPv4 address.

A solutions architect needs to design a solution that will allow traffic to be quickly directed to a standby EC2 instance if the application fails and becomes unreachable.

Which approach will meet these requirements?

- a) Deploy an Application Load Balancer configured with a listener for the private IP address and register the primary EC2 instance with the load balancer. Upon failure, de-register the instance and register the standby EC2 instance.
- b) Configure a custom DHCP option set. Configure DHCP to assign the same private IP address to the standby EC2 instance when the primary EC2 instance fails.
- c) Attach a secondary elastic network interface to the EC2 instance configured with the private IP address. Move the network interface to the standby EC2 instance if the primary EC2 instance becomes unreachable.
- d) Associate an Elastic IP address with the network interface of the primary EC2 instance. Disassociate the Elastic IP from the primary instance upon failure and associate it with a standby EC2 instance.

Answer: c



A company uses Amazon EC2 Reserved Instances to run its data processing workload. The nightly job typically takes 7 hours to run and must finish within a 10-hour time window.

The company anticipates temporary increases in demand at the end of each month that will cause the job to run over the time limit with the capacity of the current resources.

Once started, the processing job cannot be interrupted before completion. The company wants to implement a solution that would provide increased resource capacity as cost-effectively as possible.

What should a solutions architect do to accomplish this?

- a) Deploy On-Demand Instances during periods of high demand.
- b) Create a second EC2 reservation for additional instances
- c) Deploy Spot Instances during periods of high demand.
- d) Increase the EC2 instance size in the EC2 reservation to support the increased workload.

#### Answer: a

#### **Question: 7**

A company has a two-tier application architecture that runs in public and private subnets. Amazon EC2 instances running the web application are in the public subnet and an EC2 instance for the database runs on the private subnet. The web application instances and the database are running in a single Availability Zone (AZ).

Which combination of steps should a solutions architect take to provide high availability for this architecture?

(Select TWO.)

- a) Create new public and private subnets in the same AZ.
- b) Create an Amazon EC2 Auto Scaling group and Application Load Balancer spanning multiple AZs for the web application instances.
- c) Add the existing web application instances to an Auto Scaling group behind an Application Load Balancer.
- d) Create new public and private subnets in a new AZ. Create a database using an EC2 instance in the public subnet in the new AZ. Migrate the old database contents to the new database.
- e) Create new public and private subnets in the same VPC, each in a new AZ. Create an Amazon RDS Multi-AZ DB instance in the private subnets. Migrate the old database contents to the new DB instance.

Answer: b, e



A company runs a public-facing three-tier web application in a VPC across multiple Availability Zones.

Amazon EC2 instances for the application tier running in private subnets need to download software patches from the internet. However, the EC2 instances cannot be directly accessible from the internet.

Which actions should be taken to allow the EC2 instances to download the needed patches?

(Select TWO.)

- a) Configure a NAT gateway in a public subnet.
- b) Define a custom route table with a route to the NAT gateway for internet traffic and associate it with the private subnets for the application tier.
- c) Assign Elastic IP addresses to the EC2 instances.
- d) Define a custom route table with a route to the internet gateway for internet traffic and associate it with the private subnets for the application tier.
- e) Configure a NAT instance in a private subnet.

Answer: a, b

#### **Question: 9**

A website runs a custom web application that receives a burst of traffic each day at noon. The users upload new pictures and content daily, but have been complaining of timeouts.

The architecture uses Amazon EC2 Auto Scaling groups, and the application consistently takes 1 minute to initiate upon boot up before responding to user requests.

How should a solutions architect redesign the architecture to better respond to changing traffic?

- a) Configure a Network Load Balancer with a slow start configuration
- b) Configure Amazon ElastiCache for Redis to offload direct requests from the EC2 instances.
- c) Configure Amazon CloudFront to use an Application Load Balancer as the origin.
- d) Configure an Auto Scaling step scaling policy with an EC2 instance warmup condition.

Answer: d



An application running on AWS uses an Amazon Aurora Multi-AZ DB cluster deployment for its database.

When evaluating performance metrics, a solutions architect discovered that the database reads are causing high I/O and adding latency to the write requests against the database.

What should the solutions architect do to separate the read requests from the write requests?

- a) Enable read-through caching on the Aurora database.
- b) Update the application to read from the Multi-AZ standby instance.
- c) Create a second Aurora database and link it to the primary database as a read replica.
- d) Create an Aurora replica and modify the application to use the appropriate endpoints.

Answer: d

## Avail the Study Guide to Pass SAA-C03 AWS Solutions Architect Associate Exam:

- Find out about the SAA-C03 syllabus topics. Visiting the official site offers an idea about the exam structure and other important study resources. Going through the syllabus topics help to plan the exam in an organized manner.
- Once you are done exploring the <u>SAA-C03 syllabus</u>, it is time to plan for studying and covering the syllabus topics from the core. Chalk out the best plan for yourself to cover each part of the syllabus in a hassle-free manner.
- A study schedule helps you to stay calm throughout your exam preparation. It should contain your materials and thoughts like study hours, number of topics for daily studying mentioned on it. The best bet to clear the exam is to follow your schedule rigorously.
- The candidate should not miss out on the scope to learn from the SAA-C03 training. Joining the AWS provided training for SAA-C03 exam helps a candidate to strengthen his practical knowledge base from the certification.
- Learning about the probable questions and gaining knowledge regarding the exam structure helps a lot. Go through the <u>SAA-C03 sample</u> <u>questions</u> and boost your knowledge



 Make yourself a pro through online practicing the syllabus topics. SAA-C03 practice tests would guide you on your strengths and weaknesses regarding the syllabus topics. Through rigorous practicing, you can improve the weaker sections too. Learn well about time management during exam and become confident gradually with practice tests.

## **Career Benefits:**

• Passing the SAA-C03 exam, helps a candidate to prosper highly in his career. Having the certification on the resume adds to the candidate's benefit and helps to get the best opportunities.

### Here Is the Trusted Practice Test for the SAA-C03 Certification

VMExam.Com is here with all the necessary details regarding the SAA-C03 exam. We provide authentic practice tests for the SAA-C03 exam. What do you gain from these practice tests? You get to experience the real exam-like questions made by industry experts and get a scope to improve your performance in the actual exam. Rely on VMExam.Com for rigorous, unlimited two-month attempts on the <u>SAA-</u> <u>C03 practice tests</u>, and gradually build your confidence. Rigorous practice made many aspirants successful and made their journey easy towards grabbing the AWS Certified Solutions Architect - Associate.

Start Online practice of SAA-C03 Exam by visiting URL https://www.vmexam.com/aws/saa-c03-aws-solutions-architectassociate