

- **Vendor: Amazon**
- **Exam Code: SAA-C02**
- **Exam Name: AWS Certified Solutions Architect - Associate**
- **New Questions (Oct/2020)**

[Visit PassLeader and Download Full Version AWS-Associate \(SAA-C02\) Exam Dumps](#)

NEW QUESTION 425

A company is migrating to the AWS Cloud. A file server is the first workload to migrate. Users must be able to access the file share using the Server Message Block (SMB) protocol. Which AWS managed service meets these requirements?

- A. Amazon EBS
- B. Amazon EC2
- C. Amazon FSx
- D. Amazon S3

Answer: B

NEW QUESTION 426

A company is planning to use Amazon S3 to store images uploaded by its users. The images must be encrypted at rest in Amazon S3. The company does not want to spend time managing and rotating the keys, but it does want to control who can access those keys. What should a solutions architect use to accomplish this?

- A. Server-Side Encryption with keys stored in an S3 bucket.
- B. Server-Side Encryption with Customer-Provided Keys (SSE-C).
- C. Server-Side Encryption with Amazon S3-Managed Keys (SSE-S3).
- D. Server-Side Encryption with AWS KMS-Managed Keys (SSE-KMS).

Answer: D

NEW QUESTION 427

A website runs a 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 custom application consistently takes 1 minute to initiate upon boot up before responding to users' 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 AWS ElastiCache for Redis to offload direct requests to the servers.
- C. Configure an Auto Scaling step scaling policy with an instance warmup condition.
- D. Configure Amazon CloudFront to use an Application Load Balancer as the origin.

Answer: B

NEW QUESTION 428

A start-up company has a web application based in the us-east-1 Region with multiple Amazon EC2 instances running behind an Application Load Balancer across multiple Availability Zones. As the company's user base grows in the us-west-1 Region, it needs 3 solutions with low latency and high availability. What should a solutions architect do to accomplish this?

- A. Provision EC2 instances in us-west-1.
Switch the Application Load Balancer to a Network Load Balancer to achieve cross-Region load balancing.
- B. Provision EC2 instances and an Application Load Balancer in us-west-1.

Make the load balancer distribute the traffic based on the location of the request.

C. Provision EC2 instances and configure an Application Load Balancer in us-west-1.

Create an accelerator in AWS Global Accelerator that uses an endpoint group that includes the load balancer endpoints in both Regions.

D. Provision EC2 Instances and configure an Application Load Balancer in us-west-1.

Configure Amazon Route 53 with a weighted routing policy.

Create alias records in Route 53 that point to the Application Load Balancer.

Answer: C

Explanation:

<https://aws.amazon.com/global-accelerator/faqs/>

NEW QUESTION 429

A company has a custom application running on an Amazon EC2 instance that:

- Reads a large amount of data from Amazon S3.

- Performs a multi-stage analysis.

- Writes the results to Amazon DynamoDB.

The application writes a significant number of large, temporary files during the multi-stage analysis. The process performance depends on the temporary storage performance. What would be the fastest storage option for holding the temporary files?

A. Multiple Amazon S3 buckets with Transfer Acceleration for storage.

B. Multiple Amazon EBS drives with Provisioned IOPS and EBS optimization.

C. Multiple Amazon EFS volumes using the Network File System version 4.1 (NFSv4.1) protocol.

D. Multiple instance store volumes with software RAID 0.

Answer: D

NEW QUESTION 430

A company wants to migrate a high performance computing (HPC) application and data from on-premises to the AWS Cloud. The company uses tiered storage on-premises with high-performance parallel storage to support the application during periodic runs of the application, and more economical cold storage to hold the data when the application is not actively running. Which combination of solutions should a solutions architect recommend to support the storage needs of the application? (Choose two.)

A. Amazon S3 for cold data storage.

B. Amazon EFS for cold data storage.

C. Amazon S3 for high-performance parallel storage.

D. Amazon FSx for Lustre for high-performance parallel storage.

E. Amazon FSx for Windows for high-performance parallel storage.

Answer: AD

Explanation:

Amazon FSx for Lustre makes it easy and cost effective to launch and run the world's most popular high-performance file system. Use it for workloads where speed matters, such as machine learning, high performance computing (HPC), video processing, and financial modeling.

<https://aws.amazon.com/fsx/lustre/>

NEW QUESTION 431

A software vendor is deploying a new software-as-a-service (SaaS) solution that will be utilized by many AWS users. The service is hosted in a VPC behind a Network Load Balancer. The software vendor wants to provide access to this service to users with the least amount of administrative overhead and without exposing the service to the public internet. What should a solutions architect do to accomplish this goal?

A. Create a peering VPC connection from each user's VPC to the software vendor's VPC.

B. Deploy a transit VPC in the software vendor's AWS account.

Create a VPN connection with each user account.

C. Connect the service in the VPC with an AWS PrivateLink endpoint.

Have users subscribe to the endpoint.

D. Deploy a transit VPC in the software vendor's AWS account.

Create an AWS Direct Connect connection with each user account.

Answer: C

NEW QUESTION 432

A company is seeing access requests by some suspicious IP addresses. The security team discovers the requests are from different IP addresses under the same CIDR range. What should a solutions architect recommend to the team?

- A. Add a rule in the inbound table of the security group to deny the traffic from that CIDR range.
- B. Add a rule in the outbound table of the security group to deny the traffic from that CIDR range.
- C. Add a deny rule in the Inbound table of the network ACL with a lower rule number than other rules.
- D. Add a deny rule in the outbound table of the network ACL with a lower rule number than other rules.

Answer: C

NEW QUESTION 433

A company wants to run a hybrid workload for data processing. The data needs to be accessed by on-premises applications for local data processing using an NFS protocol, and must also be accessible from the AWS Cloud for further analytics and batch processing. Which solution will meet these requirements?

- A. Use an AWS Storage Gateway file gateway to provide file storage to AWS. Then perform analytics on the data in the AWS Cloud.
- B. Use an AWS Storage Gateway tape gateway to copy the backup of the local data to AWS. Then perform analytics on this data in the AWS Cloud.
- C. Use an AWS Storage Gateway volume gateway in a stored volume configuration to regularly take snapshots of the local data, then copy the data to AWS.
- D. Use an AWS Storage Gateway volume gateway in a cached volume configuration to back up all the local storage in the AWS Cloud, then perform analytics on this data in the cloud.

Answer: C

Explanation:

<https://docs.aws.amazon.com/storagegateway/latest/userguide/WhatIsStorageGateway.html>

NEW QUESTION 434

A company receives 10 TB of instrumentation data each day from several machines located at a single factory. The data consists of JSON files stored on a storage area network (SAN) in an on-premises data center located within the factory. The company wants to send this data to Amazon S3 where it can be accessed by several additional systems that provide critical near-real-time analytics. A secure transfer is important because the data is considered sensitive. Which solution offers the MOST reliable data transfer?

- A. AWS DataSync over public internet.
- B. AWS DataSync over AWS Direct Connect.
- C. AWS Database Migration Service (AWS DMS) over public internet.
- D. AWS Database Migration Service (AWS DMS) over AWS Direct Connect.

Answer: D

NEW QUESTION 435

A company's web application is running on Amazon EC2 instances behind an Application Load Balancer. The company recently changed its policy, which now requires the application to be accessed from one specific country only. Which configuration will meet this requirement?

- A. Configure the security group for the EC2 instances.
- B. Configure the security group on the Application Load Balancer.
- C. Configure AWS WAF on the Application Load Balancer in a VPC.
- D. Configure the network ACL for the subnet that contains the EC2 instances.

Answer: C

Explanation:

<https://aws.amazon.com/es/blogs/security/how-to-use-aws-waf-to-filter-incoming-traffic-from-embargoed-countries/>

NEW QUESTION 436

A business application is hosted on Amazon EC2 and uses Amazon S3 for encrypted object storage. The chief information security officer has directed that no application traffic between the two services should traverse the public internet. Which capability should the solutions architect use to meet the compliance requirements?

- A. AWS Key Management Service (AWS KMS)
- B. VPC endpoint
- C. Private subnet
- D. Virtual private gateway

Answer: A

NEW QUESTION 437

A solutions architect must design a database solution for a high-traffic ecommerce web application. The database stores customer profiles and shopping cart information. The database must support a peak load of several million requests each second and deliver responses in milliseconds. The operational overhead for managing and scaling the database must be minimized. Which database solution should the solutions architect recommend?

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

Answer: A

NEW QUESTION 438

A company is planning on deploying a newly built application on AWS in a default VPC. The application will consist of a web layer and database layer. The web server was created in public subnets, and the MySQL database was created in private subnets. All subnets are created with the default network ACL settings, and the default security group in the VPC will be replaced with new custom security groups. The following are the key requirements:

- The web servers must be accessible only to users on an SSL connection.
- The database should be accessible to the web layer, which is created in a public subnet only.
- All traffic to and from the IP range 182.20.0.0/16 subnet should be blocked.

Which combination of steps meets these requirements? (Choose two.)

- A. Create a database server security group with inbound and outbound rules for MySQL port 3306 traffic to and from anywhere (0.0.0.0/0).
- B. Create a database server security group with an inbound rule for MySQL port 3306 and specify the source as a web server security group.
- C. Create a web server security group with an inbound allow rule for HTTPS port 443 traffic from anywhere (0.0.0.0/0) and an inbound deny rule for IP range 182.20.0.0/16.
- D. Create a web server security group with an inbound rule for HTTPS port 443 traffic from anywhere (0.0.0.0/0). Create network ACL inbound and outbound deny rules for IP range 182.20.0.0/16.
- E. Create a web server security group with inbound and outbound rules for HTTPS port 443 traffic to and from anywhere (0.0.0.0/0). Create a network ACL inbound deny rule for IP range 182.20.0.0/16.

Answer: BD

NEW QUESTION 439

A solutions architect wants all new users to have specific complexity requirements and mandatory rotation periods for 1AM user passwords. What should the solutions architect do to accomplish this?

- A. Set an overall password policy for the entire AWS account.
- B. Set a password policy for each 1AM user in the AWS account.
- C. Use third-party vendor software to set password requirements.
- D. Attach an Amazon CloudWatch rule to the Create_newuser event to set the password with the appropriate requirements.

Answer: A

NEW QUESTION 440

A company wants to migrate its web application to AWS. The legacy web application consists of a web tier, an application tier, and a MySQL database. The re-architected application must consist of technologies that do not require the administration team to manage instances or clusters. Which combination of services should a solutions architect include in the overall architecture? (Choose two.)

- A. Amazon Aurora Serverless
- B. Amazon EC2 Spot Instances
- C. Amazon Elasticsearch Service (Amazon ES)
- D. Amazon RDS for MySQL
- E. AWS Fargate

Answer: DE

NEW QUESTION 441

A company has multiple applications that use Amazon RDS for MySQL as its database. The company recently discovered that a new custom reporting application has increased the number of queries on the database. This is slowing down performance. How should a solutions architect resolve this issue with the LEAST amount of application changes?

- A. Add a secondary DB instance using Multi-AZ.
- B. Set up a read replica and Multi-AZ on Amazon RDS.
- C. Set up a standby replica and Multi-AZ on Amazon RDS.
- D. Use caching on Amazon RDS to improve the overall performance.

Answer: D

NEW QUESTION 442

.....

[**Visit PassLeader and Download Full Version AWS-Associate \(SAA-C02\) Exam Dumps**](#)