

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

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NEW QUESTION 241

An ecommerce company has noticed performance degradation of its Amazon RDS based web application. The performance degradation is attribute to an increase in the number of read-only SQL queries triggered by business analysts. A solution architect needs to solve the problem with minimal changes to the existing web application. What should the solution architect recommend?

- A. Export the data to Amazon DynamoDB and have the business analysts run their queries.
- B. Load the data into Amazon ElasticCache and have the business analysts run their queries.
- C. Create a read replica of the primary database and have the business analysts run their queries.
- D. Copy the data into an Amazon Redshift cluster and have the business analysts run their queries.

Answer: C

NEW QUESTION 242

A database is on an Amazon RDS MYSQL 5.6 Multi-AZ DB instance that experience highly dynamic reads. Application developers notice a significant slowdown when testing read performance from a secondary AWS Region. The developers want a solution that provides less than 1 second of read replication latency. What should the solutions architect recommend?

- A. Install MySQL on Amazon EC2 in (he secondary Region.
- B. Migrate the database to Amazon Aurora with cross-Region replicas.
- C. Create another RDS for MySQL read replica in the secondary.
- D. Implement Amazon ElastiCache to improve database query performance.

Answer: B

NEW QUESTION 243

An operations team has a standard that states IAM policies should not be applied directly to users. Some new members have not been following this standard. The operation manager needs a way to easily identify the users with attached policies. What should a solutions architect do to accomplish this?

- A. Monitor using AWS CloudTrail.
- B. Create an AWS Config rule to run daily.
- C. Publish IAM user changes to Amazon SNS.
- D. Run AWS Lambda when a user is modified.

Answer: A

NEW QUESTION 244

A solution architect is designing a hybrid application using the AWS cloud. The network between the on- premises data center and AWS will use an AWS Direct Connect (DX) connection. The application connectivity between AWS and the on-premises data center must be highly resilient. Which DX configuration should be implemented to meet these requirements?

- A. Configure a DX connection with a VPN on top of it.

- B. Configure DX connections at multiple DX locations.
- C. Configure a DX connection using the most reliable DX partner.
- D. Configure multiple virtual interfaces on top of a DX connection.

Answer: B

NEW QUESTION 245

A company is using Amazon EC2 to run its big data analytics workloads. These variable workloads run each night, and it is critical they finish by the start of business the following day. A solutions architect has been tasked with designing the MOST cost-effective solution. Which solution will accomplish this?

- A. Spot Fleet
- B. Spot Instances
- C. Reserved Instances
- D. On-Demand Instances

Answer: C

NEW QUESTION 246

A company requires a durable backup storage solution for its on-premises database servers while ensuring on-premises applications maintain access to these backups for quick recovery. The company will use AWS storage services as the destination for these backups. A solutions architect is designing a solution with minimal operational overhead. Which solution should the solutions architect implement?

- A. Deploy an AWS Storage Gateway file gateway on-premises and associate it with an Amazon S3 bucket.
- B. Back up the databases to an AWS Storage Gateway volume gateway and access it using the Amazon S3 API.
- C. Transfer the database backup files to an Amazon Elastic Block Store (Amazon EBS) volume attached to an Amazon EC2 instance.
- D. Back up the database directly to an AWS Snowball device and use lifecycle rules to move the data to Amazon S3 Glacier Deep Archive.

Answer: A

NEW QUESTION 247

A company hosts its website on AWS. To address the highly variable demand, the company has implemented Amazon EC2 Auto Scaling. Management is concerned that the company is over-provisioning its infrastructure, especially at the front end of the three-tier application. A solutions architect needs to ensure costs are optimized without impacting performance. What should the solutions architect do to accomplish this?

- A. Use Auto Scaling with Reserved Instances.
- B. Use Auto Scaling with a scheduled scaling policy.
- C. Use Auto Scaling with the suspend-resume feature.
- D. Use Auto Scaling with a target tracking scaling policy.

Answer: C

NEW QUESTION 248

A solutions architect is working on optimizing a legacy document management application running on Microsoft Windows Server in an on-premises data center. The application stores a large number of files on a network file share. The chief information officer wants to reduce the on-premises data center footprint and minimize storage costs by moving on-premises storage to AWS. What should the solutions architect do to meet these requirements?

- A. Set up an AWS Storage Gateway file gateway.
- B. Set up Amazon Elastic File System (Amazon EFS).
- C. Set up AWS Storage Gateway as a volume gateway.
- D. Set up an Amazon Elastic Block Store (Amazon EBS) volume.

Answer: A

NEW QUESTION 249

A company is processing data on a daily basis. The results of the operations are stored in an Amazon S3 bucket, analyzed daily for one week, and then must remain immediately accessible for occasional analysis. What is the MOST cost-effective storage solution alternative to the current configuration?

- A. Configure a lifecycle policy to delete the objects after 30 days.

- B. Configure a lifecycle policy to transition the objects to Amazon S3 Glacier after 30 days.
- C. Configure a lifecycle policy to transition the objects to Amazon S3 Standard-Infrequent Access (S3 Standard-IA) after 30 days.
- D. Configure a lifecycle policy to transition the objects to Amazon S3 One Zone-Infrequent Access (S3 One Zone-IA) after 30 days.

Answer: A

NEW QUESTION 250

A company wants to replicate its data to AWS to recover in the event of a disaster. Today, a system administrator has scripts that copy data to a NFS share. Individual backup files need to be accessed with low latency by application administrators to deal with errors in processing. What should a solutions architect recommend to meet these requirements?

- A. Modify the script to copy data to an Amazon S3 bucket instead of the on-premises NFS share.
- B. Modify the script to copy data to an Amazon S3 Glacier Archive instead of the on-premises NFS share.
- C. Modify the script to copy data to an Amazon Elastic File System (Amazon EFS) volume instead of the on-premises NFS share.
- D. Modify the script to copy data to an AWS Storage Gateway for File Gateway virtual appliance instead of the on-premises NFS share.

Answer: D

NEW QUESTION 251

A solutions architect is designing the storage architecture for a new web application used for storing and viewing engineering drawings. All application components will be deployed on the AWS infrastructure. The application design must support caching to minimize the amount of time that users wait for the engineering drawings to load. The application must be able to store petabytes of data. Which combination of storage and caching should the solutions architect use?

- A. Amazon S3 with Amazon CloudFront.
- B. Amazon S3 Glacier with Amazon ElastiCache.
- C. Amazon Elastic Block Store (Amazon EBS) volumes with Amazon CloudFront.
- D. AWS Storage Gateway with Amazon ElastiCache.

Answer: B

NEW QUESTION 252

A company is reviewing its AWS Cloud deployment to ensure its data is not accessed by anyone without appropriate authorization. A solutions architect is tasked with identifying all open Amazon S3 buckets and recording any S3 bucket configuration changes. What should the solutions architect do to accomplish this?

- A. Enable AWS Config service with the appropriate rules.
- B. Enable AWS Trusted Advisor with the appropriate checks.
- C. Write a script using an AWS SDK to generate a bucket report.
- D. Enable Amazon S3 server access logging and configure Amazon CloudWatch Events.

Answer: A

NEW QUESTION 253

A company runs an application on Amazon EC2 Instances. The application is deployed in private subnets in three Availability Zones of the us-east-1 Region. The instances must be able to connect to the internet to download files. The company wants a design that is highly available across the Region. Which solution should be implemented to ensure that there are no disruptions to Internet connectivity?

- A. Deploy a NAT Instance in a private subnet of each Availability Zone.
- B. Deploy a NAT gateway in a public subnet of each Availability Zone.
- C. Deploy a transit gateway in a private subnet of each Availability Zone.
- D. Deploy an internet gateway in a public subnet of each Availability Zone.

Answer: B

NEW QUESTION 254

A company must migrate 20 TB of data from a data center to the AWS Cloud within 30 days. The company's network bandwidth is limited to 15 Mbps and cannot exceed 70% utilization. What should a solutions architect do to meet these requirements?

- A. Use AWS Snowball.
- B. Use AWS DataSync.
- C. Use a secure VPN connection.
- D. Use Amazon S3 Transfer Acceleration.

Answer: A

NEW QUESTION 255

An application is running on Amazon EC2 instances. Sensitive information required for the application is stored in an Amazon S3 bucket. The bucket needs to be protected from internet access while only allowing services within the VPC access to the bucket. Which combination of actions should a solutions architect take to accomplish this? (Choose two.)

- A. Create a VPC endpoint for Amazon S3.
- B. Enable server access logging on the bucket.
- C. Apply a bucket policy to restrict access to the S3 endpoint.
- D. Add an S3 ACL to the bucket that has sensitive information.
- E. Restrict users using the IAM policy to use the specific bucket.

Answer: DE

NEW QUESTION 256

A company is planning to build a new web application on AWS. The company expects predictable traffic most of the year and very high traffic on occasion. The web application needs to be highly available and fault tolerant with minimal latency. What should a solutions architect recommend to meet these requirements?

- A. Use an Amazon Route 53 routing policy to distribute requests to two AWS Regions, each with one Amazon EC2 instance.
- B. Use Amazon EC2 instances in an Auto Scaling group with an Application Load Balancer across multiple Availability Zones.
- C. Use Amazon EC2 instances in a cluster placement group with an Application Load Balancer across multiple Availability Zones.
- D. Use Amazon EC2 instances in a cluster placement group and include the cluster placement group within a new Auto Scaling group.

Answer: C

NEW QUESTION 257

A company wants to use Amazon S3 for the secondary copy of its on-premises dataset. The company would rarely need to access this copy. The storage solution's cost should be minimal. Which storage solution meets these requirements?

- A. S3 Standard
- B. S3 Intelligent-Tiering
- C. S3 Standard-Infrequent Access (S3 Standard-IA)
- D. S3 One Zone-Infrequent Access (S3 One Zone-IA)

Answer: C

NEW QUESTION 258

A company wants to migrate a workload to AWS. The chief information security officer requires that all data be encrypted at rest when stored in the cloud. The company wants complete control of encryption key lifecycle management. The company must be able to immediately remove the key material and audit key usage independently of AWS CloudTrail. The chosen services should integrate with other storage services that will be used on AWS. Which services satisfies these security requirements?

- A. AWS CloudHSM with the CloudHSM client.
- B. AWS Key Management Service (AWS KMS) with AWS CloudHSM.
- C. AWS Key Management Service (AWS KMS) with an external key material origin.
- D. AWS Key Management Service (AWS KMS) with AWS managed customer master keys (CMKs).

Answer: A

NEW QUESTION 259

A company is using a tape backup solution to store its key application data offsite. The daily data volume is around 50 TB. The company needs to retain the backups for 7 years for regulatory purposes. The backups are rarely accessed and a week's notice is typically given if a backup needs to be restored. The company is now considering a cloud-based option

to reduce the storage costs and operational burden of managing tapes. The company also wants to make sure that the transition (from tape backups to the cloud minimizes disruptions. Which storage solution is MOST cost-effective?

- A. Use Amazon Storage Gateway to back up to Amazon Glacier Deep Archive.
- B. Use AWS Snowball Edge to directly integrate the backups with Amazon S3 Glacier.
- C. Copy the backup data to Amazon S3 and create a lifecycle policy to move the data to Amazon S3 Glacier.
- D. Use Amazon Storage Gateway to back up to Amazon S3 and create a lifecycle policy to move the backup to Amazon S3 Glacier.

Answer: B

NEW QUESTION 260

A company is planning to migrate its virtual server-based workloads to AWS. The company has internet-facing load balancers backed by application servers. The application servers rely on patches from an internet-hosted repository. Which services should a solutions architect recommend be hosted on the public subnet? (Choose two.)

- A. NAT gateway
- B. Amazon RDS DB instances
- C. Application Load Balancers
- D. Amazon EC2 application servers
- E. Amazon Elastic File System (Amazon EFS) volumes

Answer: AB

NEW QUESTION 261

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