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➢ **Vendor: Amazon**

➢ **Exam Code: SAA-C02**

➢ **Exam Name:** AWS Certified Solutions Architect - Associate (SAA-C02) Exam

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QUESTION 252
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

QUESTION 253
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

QUESTION 254
A company is looking for a solution that can store video archives in AWS from old news footage.
The company needs to minimize costs and will rarely need to restore these files.
When the files are needed, they must be available in a maximum of five minutes.
What is the MOST cost-effective solution?

A. Store the video archives in Amazon S3 Glacier and use Expedited retrievals.

B.   Store the video archives in Amazon S3 Glacier and use Standard retrievals.
C.   Store the video archives in Amazon S3 Standard-Infrequent Access (S3 Standard-IA).
D.   Store the video archives in Amazon S3 One Zone-Infrequent Access (S3 One Zone-IA).

Answer: A

QUESTION 255
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

QUESTION 256
A company has enabled AWS CloudTrail logs to deliver log files to an Amazon S3 bucket for each of its developer accounts.
The company has created a central AWS account for streamlining management and audit reviews.
An internal auditor needs to access the CloudTrail logs, yet access needs to be restricted for all developer account users.
The solution must be secure and optimized. How should a solutions architect meet these requirements?

A.   Configure an AWS Lambda function in each developer account to copy the log files to the central account.
     Create an 1AM role in the central account for the auditor.
     Attach an 1AM policy providing read- only permissions to the bucket.
B.   Configure CloudTrail from each developer account to deliver the log files to an S3 bucket in the central account.
     Create an 1AM user in the central account for the auditor.
     Attach an 1AM policy providing full permissions to the bucket.
C.   Configure CloudTrail from each developer account to deliver the log files to an S3 bucket in the central account.
     Create an 1AM role in the central account for the auditor.
     Attach an 1AM policy providing read- only permissions to the bucket.
D.   Configure an AWS Lambda function in the central account to copy the log files from the S3 bucket in each developer account.
     Create an 1AM user in the central account for the auditor.
     Attach an 1AM policy providing full permissions to the bucket.

Answer: A

QUESTION 257
A company has an application that posts messages to Amazon SQS Another application polls the queue and processes the messages in an I/O-intensive operation.
The company has a service level agreement (SLA) that specifies the maximum amount of time that can elapse between receiving the messages and responding to the users.
Due to an increase in the number of messages the company has difficulty meeting its SLA consistently.
What should a solutions architect do to help improve the application's processing time and ensure it can handle the load at any level?

A.   Create an Amazon Machine Image (AMI) from the instance used for processing.

Terminate the instance and replace it with a larger size.
B. Create an Amazon Machine Image (AMI) from the instance used for processing.
Terminate the instance and replace it with an Amazon EC2 Dedicated Instance
C. Create an Amazon Machine image (AMI) from the instance used for processing.
Create an Auto Scaling group using this image in its launch configuration.
Configure the group with a target tracking policy to keep us aggregate CPU utilization below 70%.
D. Create an Amazon Machine Image (AMI) from the instance used for processing.
Create an Auto Scaling group using this image in its launch configuration.
Configure the group with a target tracking policy based on the age of the oldest message in the SQS queue.

Answer: B

QUESTION 258
A company is planning to deploy an Amazon RDS DB instance running Amazon Aurora.
The company has a backup retention policy requirement of 90 days.
Which solution should a solutions architect recommend?

A. Set the backup retention period to 90 days when creating the RDS DB instance
B. Configure RDS to copy automated snapshots to a user-managed Amazon S3 bucket with a lifecycle policy set to delete after 90 days.
C. Create an AWS Backup plan to perform a daily snapshot of the RDS database with the retention set to 90 days.
Create an AWS Backup job to schedule the execution of the backup plan daily
D. Use a daily scheduled event with Amazon CloudWatch Events to execute a custom AWS Lambda function that makes a copy of the RDS automated snapshot Purge snapshots older than 90 days

Answer: A

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 (rom 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

QUESTION 260
A company relies on an application that needs at least 4 Amazon EC2 instances during regular traffic and must scale up to 12 EC2 instances during peak loads.
The application is critical to the business and must be highly available
Which solution will meet these requirements?

A. Deploy the EC2 instances in an Auto Scaling group.
Set the minimum to 4 and the maximum to M, with 2 in Availability Zone A and 2 in Availability

Zone B
B. Deploy the EC2 instances in an Auto Scaling group.
Set the minimum to 4 and the maximum to 12, with all 4 in Availability Zone A
C. Deploy the EC2 instances in an Auto Scaling group.
Set the minimum to 8 and the maximum to 12, with 4 in Availability Zone A and 4 in Availability
Zone B
D. Deploy the EC2 instances in an Auto Scaling group.
Set the minimum to 8 and the maximum to 12 with all 8 in Availability Zone A

Answer: B

QUESTION 261
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? (Select 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

QUESTION 262
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 archived take to accomplish this" (Select 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 1AM policy to use the specific bucket

Answer: DE