➢ Vendor: Amazon

➢ Exam Code: SAA-C02

➢ Exam Name: AWS Certified Solutions Architect - Associate

➢ New Questions (June/2022)

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NEW QUESTION 1011
A company stores data in an Amazon Aurora PostgreSQL DB cluster. The company must store all the data for 5 years and must delete all the data after 5 years. The company also must indefinitely keep audit logs of actions that are performed within the database. Currently, the company has automated backups configured for Aurora. Which combination of steps should a solutions architect take to meet these requirements? (Choose two.)

A. Take a manual snapshot of the DB cluster.
B. Create a lifecycle policy for the automated backups.
C. Configure automated backup retention for 5 years.
D. Configure an Amazon CloudWatch Logs export for the DB cluster.
E. Use AWS Backup to take the backups and to keep the backups for 5 years.

Answer: AD

NEW QUESTION 1012
A gaming company is moving its public scoreboard from a data center to the AWS Cloud. The company uses Amazon EC2 Windows Server instances behind an Application Load Balancer to host its dynamic application. The company needs a highly available storage solution for the application. The application consists of static files and dynamic server-side code. Which combination of steps should a solutions architect take to meet these requirements? (Choose two.)

A. Store the static files on Amazon S3. CloudFront to cache objects at the edge.
B. Store the static files on Amazon S3. Use Amazon ElastiCache to cache objects at the edge.
C. Store the server-side code on Amazon Elastic File System (Amazon EFS). Mount the EFS volume on each EC2 instance to share the files.
D. Store the server-side code on Amazon FSx for Windows File Server. Mount the FSx for Windows File Server volume on each EC2 instance to share the files.
E. Store the server-side code on a General Purpose SSD (gp2) Amazon Elastic Block Store (Amazon EBS) volume. Mount the EBS volume on each EC2 instance to share the files.

Answer: AE

NEW QUESTION 1013
A company that primarily runs its application servers on premises has decided to migrate to AWS. The company wants to minimize its need to scale its Internet Small Computer Systems Interface (iSCSI) storage on premises. The company wants only its recently accessed data to remain stored locally. Which AWS solution should the company use to meet these requirements?

A. Amazon S3 File Gateway.
B. AWS Storage Gateway Tape Gateway.
C. AWS Storage Gateway Volume Gateway stored volumes.
D. AWS Storage Gateway Volume Gateway cachea volumes.

Answer: C

NEW QUESTION 1014

A company collects data from thousands of remote devices by using a RESTful web services application that runs on an Amazon EC2 instance. The EC2 instance receives the raw data, transforms the raw data, and stores all the data in an Amazon S3 bucket. The number of remote devices will increase into the millions soon. The company needs a highly scalable solution that minimizes operational overhead. Which combination of steps should a solutions architect take to meet these requirements? (Choose two.)

A. Use AWS Glue to process the raw data in Amazon S3.
B. Use Amazon Route 53 to route traffic to different EC2 instances.
C. Add more EC2 instances to accommodate the increasing amount of incoming data.
D. Send the raw data to Amazon Simple Queue Service (Amazon SOS). Use EC2 instances to process the data.
E. Use Amazon API Gateway to send the raw data to an Amazon Kinesis data stream. Configure Amazon Kinesis Data Firehose to use the data stream as a source to deliver the data to Amazon S3.

Answer: BE

NEW QUESTION 1015
A company needs to keep user transaction data in an Amazon DynamoDB table. The company must retain the data for 7 years. What is the MOST operationally efficient solution that meets these requirements?

A. Use DynamoDB point-in-time recovery to back up the table continuously.
B. Use AWS Backup to create backup schedules and retention policies for the table.
C. Create an on-demand backup of the table by using the DynamoDB console. Store the backup in an Amazon S3 bucket. Set an S3 Lifecycle configuration for the S3 bucket.
D. Create an Amazon EventBridge (Amazon CloudWatch Events) rule to invoke an AWS Lambda function. Configure the Lambda function to back up the table and to store the backup in an Amazon S3 bucket. Set an S3 Lifecycle configuration for the S3 bucket.

Answer: C

NEW QUESTION 1016
An image-processing company has a web application that users use to upload images. The application uploads the images into an Amazon S3 bucket. The company has set up S3 event notifications to publish the object creation events to an Amazon Simple Queue Service (Amazon SQS) standard queue. The SQS queue serves as the event source for an AWS Lambda function that processes the images and sends the results to users through email. Users report that they are receiving multiple email messages for every uploaded image. A solutions architect determines that SQS messages are invoking the Lambda function more than once, resulting in multiple email messages. What should the solutions architect do to resolve this issue with the LEAST operational overhead?

A. Set up long polling in the SQS queue by increasing the ReceiveMessage wait time to 30 seconds.
B. Change the SQS standard queue to an SQS FIFO queue. Use the message deduplication ID to discard duplicate messages.
C. Increase the visibility timeout in the SQS queue to a value that is greater than the total of the function timeout and the batch window timeout.
D. Modify the Lambda function to delete each message from the SQS queue immediately after the message is read before processing.

Answer: B

NEW QUESTION 1017
A company needs to create an Amazon Elastic Kubernetes Service (Amazon EKS) cluster to host a digital media streaming application. The EKS cluster will use a managed node group that is backed by Amazon Elastic Block Store (Amazon EBS) volumes for storage. The company must encrypt all data at rest by using a customer managed key that is stored in AWS Key Management Service (AWS KMS). Which combination of actions will meet this requirement with the LEAST operational overhead? (Choose two.)

A. Use a Kubernetes plugin that uses the customer managed key to perform data encryption.
B. After creation of the EKS cluster, locate the EBS volumes. Enable encryption by using the customer managed key.
C. Enable EBS encryption by default in the AWS Region where the EKS cluster will be created. Select the customer managed key as the default key.
D. Create the EKS cluster Create an 1AM role that has cuwlicy that grants permission to the customer managed key. Associate the role with the EKS cluster.
E. Store the customer managed key as a Kubernetes secret in the EKS cluster. Use the customer managed key to encrypt the EBS volumes.

Answer: AD

NEW QUESTION 1018
A company stores its data objects in Amazon S3 Standard storage. A solutions architect has found that 75% of the data is rarely accessed after 30 days. The company needs all the data to remain immediately accessible with the same high availability and resiliency, but the company wants to minimize storage costs. Which storage solution will meet these requirements?

A. Move the data objects to S3 Glacier Deep Archive after 30 days.
B. Move the data objects to S3 Standard-Infrequent Access (S3 Standard-IA) after 30 days.
C. Move the data objects to S3 One Zone-Infrequent Access (S3 One Zone-IA) after 30 days.
D. Move the data objects to S3 One Zone-Infrequent Access (S3 One Zone-IA) immediately.

Answer: B

NEW QUESTION 1019
A company has an AWS Glue extract. transform, and load (ETL) job that runs every day at the same time. The job processes XML data that is in an Amazon S3 bucket. New data is added to the S3 bucket every day. A solutions architect notices that AWS Glue is processing all the data during each run. What should the solutions architect do to prevent AWS Glue from reprocessing old data?

A. Edit the job to use job bookmarks.
B. Edit the job to delete data after the data is processed.
C. Edit the job by setting the NumberOfWorkers field to 1.
D. Use a FindMatches machine learning (ML) transform.

Answer: B

NEW QUESTION 1020
A company has an ordering application that stores customer information in Amazon RDS for MySQL. During regular business hours, employees run one-time queries for reporting purposes. Timeouts are occurring during order processing because the reporting queries are taking a long time to run. The company needs to eliminate the timeouts without preventing employees from performing queries. What should a solutions architect do to meet those requirements?

A. Create a read replica Move reporting queries to the read replica.
B. Create a read replica. Distribute the ordering application to the primary DB instance and the read replica.
C. Migrate the ordering application to Amazon DynamoDB with on-demand capacity.
D. Schedule the reporting queries for non-peak hours.

Answer: B

NEW QUESTION 1021
A company hosts a serverless application on AWS. The application uses Amazon API Gateway. AWS Lambda, and an Amazon RDS for PostgreSQL database. The company notices an increase in application errors that result from database connection timeouts during times of peak traffic or unpredictable traffic. The company needs a solution that reduces the application failures with the least amount of change to the code. What should a solutions architect do to meet these requirements?

A. Reduce the Lambda concurrency rate.
B. Enable RDS Proxy on the RDS DB instance.
C. Resize the ROS DB instance class to accept more connections.
D. Migrate the database to Amazon DynamoDB with on-demand scaling.

Answer: B

NEW QUESTION 1022
A rapidly growing ecommerce company is running its workloads in a single AWS Region. A solutions architect must create a disaster recovery (DR) strategy that includes a different AWS Region. The company wants its database to be up to date in the DR Region with the least possible latency. The remaining infrastructure in the DR Region needs to run at reduced capacity and must be able to scale up if necessary. Which solution will meet these requirements with the LOWEST recovery time objective (RTO)?

A. Use an Amazon Aurora global database with a pilot light deployment.
B. Use an Amazon Aurora global database with a warm standby deployment.
C. Use an Amazon RDS Multi-AZ DB instance with a pilot light deployment.

D. Use an Amazon RDS Multi-AZ DB instance with a warm standby deployment.

Answer: B

NEW QUESTION 1023
A company wants to migrate its existing on-premises monolithic application to AWS. The company wants to keep as much of the front- end code and the backend code as possible. However, the company wants to break the application into smaller applications. A different team will manage each application. The company needs a highly scalable solution that minimizes operational overhead. Which solution will meet these requirements?

A. Host the application on AWS Lambda Integrate the application with Amazon API Gateway.
B. Host the application with AWS Amplify. Connect the application to an Amazon API Gateway API that is integrated with AWS Lambda.
C. Host the application on Amazon EC2 instances. Set up an Application Load Balancer with EC2 instances in an Auto Scaling group as targets.
D. Host the application on Amazon Elastic Container Service (Amazon ECS). Set up an Application Load Balancer with Amazon ECS as the target.

Answer: D

NEW QUESTION 1024
A company is using a centralized AWS account to store log data in various Amazon S3 buckets. A solutions architect needs to ensure that the data is encrypted at rest before the data is uploaded to the S3 buckets. The data also must be encrypted in transit. Which solution meets these requirements?

A. Use client-side encryption to encrypt the data that is being uploaded to the S3 buckets.
B. Use server-side encryption to encrypt the data that is being uploaded to the S3 buckets.
C. Create bucket policies that require the use of server-side encryption with S3 managed encryption keys (SSE-S3) for S3 uploads.
D. Enable the security option to encrypt the S3 buckets through the use of a default AWS Key Management Service (AWS KMS) key.

Answer: C

NEW QUESTION 1025
A company is running a popular social media website. The website gives users the ability to upload images to share with other users. The company wants to make sure that the images do not contain inappropriate content. The company needs a solution that minimizes development effort. What should a solutions architect do to meet these requirements?

A. Use Amazon Comprehend to detect inappropriate content.
Use human review for low-confidence predictions.
B. Use Amazon Rekognition to detect inappropriate content.
Use human review for low-confidence predictions.
C. Use Amazon SageMaker to detect inappropriate content.
Use ground truth to label low-confidence predictions.
D. Use AWS Fargate to deploy a custom machine learning model to detect inappropriate content.
Use ground truth to label low-confidence predictions.

Answer: B

NEW QUESTION 1026
A company has migrated an application to Amazon EC2 Linux instances. One of these EC2 instances runs several 1-hour tasks on a schedule. These tasks were written by different teams and have no common programming language. The company is concerned about performance and scalability while these tasks run on a single instance. A solutions architect needs to implement a solution to resolve these concerns. Which solution will meet these requirements with the LEAST operational overhead?

A. Use AWS Batch to run the tasks as jobs.
Schedule the jobs by using Amazon EventBridge (Amazon CloudWatch Events).
B. Convert the EC2 instance to a container.
Use AWS App Runner to create the container on demand to run the tasks as jobs.
C. Copy the tasks into AWS Lambda functions.
Schedule the Lambda functions by using Amazon EventBridge (Amazon CloudWatch Events).
D. Create an Amazon Machine Image (AMI) of the EC2 instance that runs the tasks.
Create an Auto Scaling group with the AMI to run multiple copies of the instance.

Answer: C

NEW QUESTION 1027
A company wants to build a data lake on AWS from data that is stored in an onpremises Oracle relational database. The data lake must receive ongoing updates from the on-premises database. Which solution will meet these requirements with the LEAST operational overhead?

A. Use AWS DataSync to transfer the data to Amazon S3.
Use AWS Glue to transform the data and integrate the data into a data lake.
B. Use AWS Snowball to transfer the data to Amazon S3.
Use AWS Batch to transform the data and integrate the data into a data lake.
C. Use AWS Database Migration Service (AWS DMS) to transfer the data to Amazon S3.
Use AWS Glue to transform the data and integrate the data into a data lake.
D. Use an Amazon EC2 instance to transfer the data to Amazon S3.
Configure the EC2 instance to transform the data and integrate the data into a data lake.

Answer: C

NEW QUESTION 1028
A media company collects and analyzes user activity data on premises. The company wants to migrate this capability to AWS. The user activity data store will continue to grow and will be petabytes in size. The company needs to build a highly available data ingestion solution that facilitates on-demand analytics of existing data and new data with SQL. Which solution will meet these requirements with the LEAST operational overhead?

A. Send activity data to an Amazon Kinesis data stream.
Configure the stream to deliver the data to an Amazon S3 bucket.
B. Send activity data to an Amazon Kinesis Data Firehose delivery stream.
Configure the stream to deliver the data to an Amazon Redshift cluster.
C. Place activity data in an Amazon S3 bucket.
Configure Amazon S3 to run an AWS Lambda function on the data as the data arrives in the S3 bucket.
D. Create an ingestion service on Amazon EC2 instances that are spread across multiple Availability Zones.
Configure the service to forward data to an Amazon RDS Multi-AZ database.

Answer: B

NEW QUESTION 1029
A company recently launched a variety of new workloads on Amazon EC2 instances in its AWS account. The company needs to create a strategy to access and administer the instances remotely and securely. The company needs to implement a repeatable process that works with native AWS services and follows the AWS WellArchitected Framework. Which solution will meet these requirements with the LEAST operational overhead?

A. Use the EC2 serial console to directly access the terminal interface of each instance for administration.
B. Attach the appropriate IAM role to each existing instance and new instance. Use AWS Systems Manager Session Manager to establish a remote SSH session.
C. Create an administrative SSH key pair. Load the public key into each EC2 instance. Deploy a bastion host in a public subnet to provide a tunnel for administration of each instance.
D. Establish an AWS Site-to-Site VPN connection. Instruct administrators to use their local on-premises machines to connect directly to the instances by using SSH keys across the VPN tunnel.

Answer: B

NEW QUESTION 1030
A company hosts a multiplayer gaming application on AWS. The company wants the application to read data with sub-millisecond latency and run one-time queries on historical data. Which solution will meet these requirements with the LEAST operational overhead?

A. Use Amazon RDS for data that is frequently accessed.
Run a periodic custom script to export the data to an Amazon S3 bucket.
B. Store the data directly in an Amazon S3 bucket.
Implement an S3 Lifecycle policy to move older data to S3 Glacier Deep Archive for long-term storage.
Run one-time queries on the data in Amazon S3 by using Amazon Athena.
C. Use Amazon DynamoDB with DynamoDB Accelerator (DAX) for data that is frequently accessed.
Export the data to an Amazon S3 bucket by using DynamoDB table export.
Run one-time queries on the data in Amazon S3 by using Amazon Athena.

D. Use Amazon DynamoDB for data that is frequently accessed.
Turn on streaming to Amazon Kinesis Data Streams.
Use Amazon Kinesis Data Firehose to read the data from Kinesis Data Streams.
Store the records in an Amazon S3 bucket.

Answer: C

NEW QUESTION 1031
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