

## Exam Questions SAA-C03

AWS Certified Solutions Architect - Associate (SAA-C03)

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#### NEW QUESTION 1

A company has an application that runs on Amazon EC2 instances and uses an Amazon Aurora database. The EC2 instances connect to the database by using user names and passwords that are stored locally in a file. The company wants to minimize the operational overhead of credential management. What should a solutions architect do to accomplish this goal?

- A. Use AWS Secrets Manage
- B. Turn on automatic rotation.
- C. Use AWS Systems Manager Parameter Stor
- D. Turn on automatic rotation.
- E. Create an Amazon S3 bucket to store objects that are encrypted with an AWS Key
- F. Management Service (AWS KMS) encryption ke
- G. Migrate the credential file to the S3 bucke
- H. Point the application to the S3 bucket.
- I. Create an encrypted Amazon Elastic Block Store (Amazon EBS) volume (or each EC2 instanc
- J. Attach the new EBS volume to each EC2 instanc
- K. Migrate the credential file to the new EBS volum
- L. Point the application to the new EBS volume.

**Answer:** B

#### NEW QUESTION 2

A company is developing a file-sharing application that will use an Amazon S3 bucket for storage. The company wants to serve all the files through an Amazon CloudFront distribution. The company does not want the files to be accessible through direct navigation to the S3 URL. What should a solutions architect do to meet these requirements?

- A. Write individual policies for each S3 bucket to grant read permission for only CloudFront access.
- B. Create an IAM use
- C. Grant the user read permission to objects in the S3 bucke
- D. Assign the user to CloudFront.
- E. Write an S3 bucket policy that assigns the CloudFront distribution ID as the Principal and assigns the target S3 bucket as the Amazon Resource Name (ARN).
- F. Create an origin access identity (OAI). Assign the OAI to the CloudFront distributio
- G. Configure the S3 bucket permissions so that only the OAI has read permission.

**Answer:** D

#### Explanation:

Explanation

<https://aws.amazon.com/premiumsupport/knowledge-center/cloudfront-access-to-amazon-s3/>

<https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/private-content-restricting-access-to-s3>

#### NEW QUESTION 3

A company runs its two-tier ecommerce website on AWS. The web tier consists of a load balancer that sends traffic to Amazon EC2 instances. The database tier uses an Amazon RDS DB instance. The EC2 instances and the RDS DB instance should not be exposed to the public internet. The EC2 instances require internet access to complete payment processing of orders through a third-party web service. The application must be highly available. Which combination of configuration options will meet these requirements? (Choose two.)

- A. Use an Auto Scaling group to launch the EC2 instances in private subnet
- B. Deploy an RDS Multi-AZ DB instance in private subnets.
- C. Configure a VPC with two private subnets and two NAT gateways across two Availability Zones. Deploy an Application Load Balancer in the private subnets.
- D. Use an Auto Scaling group to launch the EC2 instances in public subnets across two Availability Zones. Deploy an RDS Multi-AZ DB instance in private subnets.
- E. Configure a VPC with one public subnet, one private subnet, and two NAT gateways across two Availability Zone
- F. Deploy an Application Load Balancer in the public subnet.
- G. Configure a VPC with two public subnets, two private subnets, and two NAT gateways across two Availability Zone
- H. Deploy an Application Load Balancer in the public subnets.

**Answer:** AE

#### Explanation:

Explanation

Before you begin: Decide which two Availability Zones you will use for your EC2 instances. Configure your virtual private cloud (VPC) with at least one public subnet in each of these Availability Zones. These public subnets are used to configure the load balancer. You can launch your EC2 instances in other subnets of these Availability Zones instead.

#### NEW QUESTION 4

A solutions architect is creating a new Amazon CloudFront distribution for an application. Some of the information submitted by users is sensitive. The application uses HTTPS but needs another layer of security. The sensitive information should be protected throughout the entire application stack, and access to the information should be restricted to certain applications. Which action should the solutions architect take?

- A. Configure a CloudFront signed URL.
- B. Configure a CloudFront signed cookie.
- C. Configure a CloudFront field-level encryption profile.
- D. Configure CloudFront and set the Origin Protocol Policy setting to HTTPS Only for the Viewer Protocol Policy.

**Answer:** C

#### Explanation:

Explanation

<https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/field-level-encryption.html>

"With Amazon CloudFront, you can enforce secure end-to-end connections to origin servers by using HTTPS. Field-level encryption adds an additional layer of security that lets you protect specific data throughout system processing so that only certain applications can see it."

#### NEW QUESTION 5

A company hosts an application on multiple Amazon EC2 instances. The application processes messages from an Amazon SQS queue, writes to an Amazon RDS table, and deletes the message from the queue. Occasional duplicate records are found in the RDS table. The SQS queue does not contain any duplicate messages.

What should a solutions architect do to ensure messages are being processed once only?

- A. Use the CreateQueue API call to create a new queue
- B. Use the AddPermission API call to add appropriate permissions
- C. Use the ReceiveMessage API call to set an appropriate wait time
- D. Use the ChangeMessageVisibility API call to increase the visibility timeout

**Answer: D**

#### Explanation:

Explanation

The visibility timeout begins when Amazon SQS returns a message. During this time, the consumer processes and deletes the message. However, if the consumer fails before deleting the message and your system doesn't call the DeleteMessage action for that message before the visibility timeout expires, the message becomes visible to other consumers and the message is received again. If a message must be received only once, your consumer should delete it within the duration of the visibility timeout. <https://docs.aws.amazon.com/AWSSimpleQueueService/latest/SQSDeveloperGuide/sqs-visibility-timeout.html>

Keyword: SQS queue writes to an Amazon RDS. From this, Option D is the best suite & other Options ruled out [Option A - You can't introduce one more Queue in the existing one; Option B - only Permission & Option C - Only Retrieves Messages]. FIFO queues are designed to never introduce duplicate messages. However, your message producer might introduce duplicates in certain scenarios: for example, if the producer sends a message, does not receive a response, and then resends the same message. Amazon SQS APIs provide deduplication functionality that prevents your message producer from sending duplicates. Any duplicates introduced by the message producer are removed within a 5-minute deduplication interval. For standard queues, you might occasionally receive a duplicate copy of a message (at-least- once delivery). If you use a standard queue, you must design your applications to be idempotent (that is, they must not be affected adversely when processing the same message more than once).

#### NEW QUESTION 6

A company observes an increase in Amazon EC2 costs in its most recent bill.

The billing team notices unwanted vertical scaling of instance types for a couple of EC2 instances.

A solutions architect needs to create a graph comparing the last 2 months of EC2 costs and perform an in-depth analysis to identify the root cause of the vertical scaling.

How should the solutions architect generate the information with the LEAST operational overhead?

- A. Use AWS Budgets to create a budget report and compare EC2 costs based on instance types
- B. Use Cost Explorer's granular filtering feature to perform an in-depth analysis of EC2 costs based on instance types
- C. Use graphs from the AWS Billing and Cost Management dashboard to compare EC2 costs based on instance types for the last 2 months
- D. Use AWS Cost and Usage Reports to create a report and send it to an Amazon S3 bucket. Use Amazon QuickSight with Amazon S3 as a source to generate an interactive graph based on instance types.

**Answer: B**

#### Explanation:

Explanation

AWS Cost Explorer is a tool that enables you to view and analyze your costs and usage. You can explore your usage and costs using the main graph, the Cost Explorer cost and usage reports, or the Cost Explorer RI reports. You can view data for up to the last 12 months, forecast how much you're likely to spend for the next 12 months, and get recommendations for what Reserved Instances to purchase. You can use Cost Explorer to identify areas that need further inquiry and see trends that you can use to understand your costs. <https://docs.aws.amazon.com/costmanagement/latest/userguide/ce-what-is.html>

#### NEW QUESTION 7

A company needs to review its AWS Cloud deployment to ensure that its Amazon S3 buckets do not have unauthorized configuration changes.

What should a solutions architect do to accomplish this goal?

- A. Turn on AWS Config with the appropriate rules.
- B. Turn on AWS Trusted Advisor with the appropriate checks.
- C. Turn on Amazon Inspector with the appropriate assessment template.
- D. Turn on Amazon S3 server access logging.
- E. Configure Amazon EventBridge (Amazon Cloud Watch Events).

**Answer: A**

#### NEW QUESTION 8

A company provides a Voice over Internet Protocol (VoIP) service that uses UDP connections. The service consists of Amazon EC2 instances that run in an Auto Scaling group. The company has deployments across multiple AWS Regions.

The company needs to route users to the Region with the lowest latency. The company also needs automated failover between Regions.

Which solution will meet these requirements?

- A. Deploy a Network Load Balancer (NLB) and an associated target group.
- B. Associate the target group with the Auto Scaling group.
- C. Use the NLB as an AWS Global Accelerator endpoint in each Region.
- D. Deploy an Application Load Balancer (ALB) and an associated target group.
- E. Associate the target group with the Auto Scaling group.
- F. Use the ALB as an AWS Global Accelerator endpoint in each Region.
- G. Deploy a Network Load Balancer (NLB) and an associated target group.
- H. Associate the target group with the Auto Scaling group.

- I. Create an Amazon Route 53 latency record that points to aliases for each NL
- J. Create an AmazonCloudFront distribution that uses the latency record as an origin.
- K. Deploy an Application Load Balancer (ALB) and an associated target group
- L. Associate the target group with the Auto Scaling group
- M. Create an Amazon Route 53 weighted record that points to aliases for each AL
- N. Deploy an AmazonCloudFront distribution that uses the weighted record as an origin.

**Answer:** C

#### NEW QUESTION 9

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 Well-Architected 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
- C. Use AWS Systems Manager Session Manager to establish a remote SSH session.
- D. Create an administrative SSH key pair
- E. Load the public key into each EC2 instance
- F. Deploy a bastion host in a public subnet to provide a tunnel for administration of each instance.
- G. Establish an AWS Site-to-Site VPN connection
- H. 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

#### Explanation:

Explanation

<https://docs.aws.amazon.com/systems-manager/latest/userguide/setup-launch-managedinstance.html>

#### NEW QUESTION 10

A company has thousands of edge devices that collectively generate 1 TB of status alerts each day.

Each alert is approximately 2 KB in size. A solutions architect needs to implement a solution to ingest and store the alerts for future analysis.

The company wants a highly available solution. However, the company needs to minimize costs and does not want to manage additional infrastructure.

Additionally, the company wants to keep 14 days of data available for immediate analysis and archive any data older than 14 days.

What is the MOST operationally efficient solution that meets these requirements?

- A. Create an Amazon Kinesis Data Firehose delivery stream to ingest the alerts. Configure the Kinesis Data Firehose stream to deliver the alerts to an Amazon S3 bucket. Set up an S3 Lifecycle configuration to transition data to Amazon S3 Glacier after 14 days.
- B. Launch Amazon EC2 instances across two Availability Zones and place them behind an Elastic Load Balancer to ingest the alerts. Create a script on the EC2 instances that will store the alerts in an Amazon S3 bucket. Set up an S3 Lifecycle configuration to transition data to Amazon S3 Glacier after 14 days.
- C. Create an Amazon Kinesis Data Firehose delivery stream to ingest the alerts. Configure the Kinesis Data Firehose stream to deliver the alerts to an Amazon Elasticsearch Service (Amazon ES) cluster. Set up the Amazon ES cluster to take manual snapshots every day and delete data from the cluster that is older than 14 days.
- D. Create an Amazon Simple Queue Service (Amazon SQS) standard queue to ingest the alerts and set the message retention period to 14 days. Configure consumers to poll the SQS queue, check the age of the message, and analyze the message data as needed. If the message is 14 days old, the consumer should copy the message to an Amazon S3 bucket and delete the message from the SQS queue.

**Answer:** A

#### Explanation:

Explanation

<https://aws.amazon.com/kinesis/datafirehose/features/?nc=sn&loc=2#:~:text=into%20Amazon%20S3%2C%20Amazon%20Redshift%2C%20Amazon%20OpenSearch%20Service%2C%20Kinesis,Delivery%20streams>

#### NEW QUESTION 10

A company's application integrates with multiple software-as-a-service (SaaS) sources for data collection. The company runs Amazon EC2 instances to receive the data and to upload the data to an Amazon S3 bucket for analysis. The same EC2 instance that receives and uploads the data also sends a notification to the user when an upload is complete. The company has noticed slow application performance and wants to improve the performance as much as possible.

Which solution will meet these requirements with the LEAST operational overhead?

- A. Create an Auto Scaling group so that EC2 instances can scale out
- B. Configure an S3 event notification to send events to an Amazon Simple Notification Service (Amazon SNS) topic when the upload to the S3 bucket is complete.
- C. Create an Amazon AppFlow flow to transfer data between each SaaS source and the S3 bucket. Configure an S3 event notification to send events to an Amazon Simple Notification Service (Amazon SNS) topic when the upload to the S3 bucket is complete.
- D. Create an Amazon EventBridge (Amazon CloudWatch Events) rule for each SaaS source to send output data
- E. Configure the S3 bucket as the rule's target
- F. Create a second EventBridge (CloudWatch Events) rule to send events when the upload to the S3 bucket is complete
- G. Configure an Amazon Simple Notification Service (Amazon SNS) topic as the second rule's target.
- H. Create a Docker container to use instead of an EC2 instance
- I. Host the containerized application on Amazon Elastic Container Service (Amazon ECS). Configure Amazon CloudWatch Container Insights to send events to an Amazon Simple Notification Service (Amazon SNS) topic when the upload to the S3 bucket is complete.

**Answer:** B

#### NEW QUESTION 12

A company has an on-premises application that generates a large amount of time-sensitive data that is backed up to Amazon S3. The application has grown and there are user complaints about internet bandwidth limitations. A solutions architect needs to design a long-term solution that allows for both timely backups to Amazon S3 and with minimal impact on internet connectivity for internal users.



Which solution meets these requirements?

- A. Establish AWS VPN connections and proxy all traffic through a VPC gateway endpoint
- B. Establish a new AWS Direct Connect connection and direct backup traffic through this new connection.
- C. Order daily AWS Snowball devices Load the data onto the Snowball devices and return the devices to AWS each day.
- D. Submit a support ticket through the AWS Management Console Request the removal of S3 service limits from the account.

**Answer: B**

#### NEW QUESTION 14

A company has a data ingestion workflow that consists the following:

An Amazon Simple Notification Service (Amazon SNS) topic for notifications about new data deliveries An AWS Lambda function to process the data and record metadata The company observes that the ingestion workflow fails occasionally because of network connectivity issues. When such a failure occurs, the Lambda function does not ingest the corresponding data unless the company manually reruns the job.

Which combination of actions should a solutions architect take to ensure that the Lambda function ingests all data in the future? (Select TWO.)

- A. Configure the Lambda function In multiple Availability Zones.
- B. Create an Amazon Simple Queue Service (Amazon SQS) queue, and subscribe It to me SNS topic.
- C. Increase the CPU and memory that are allocated to the Lambda function.
- D. Increase provisioned throughput for the Lambda function.
- E. Modify the Lambda function to read from an Amazon Simple Queue Service (Amazon SQS) queue

**Answer: BE**

#### NEW QUESTION 16

A company has an application that provides marketing services to stores. The services are based on previous purchases by store customers. The stores upload transaction data to the company through SFTP, and the data is processed and analyzed to generate new marketing offers. Some of the files can exceed 200 GB in size.

Recently, the company discovered that some of the stores have uploaded files that contain personally identifiable information (PII) that should not have been included. The company wants administrators to be alerted if PII is shared again.

The company also wants to automate remediation.

What should a solutions architect do to meet these requirements with the LEAST development effort?

- A. Use an Amazon S3 bucket as a secure transfer poin
- B. Use Amazon Inspector to scan me objects in the bucke
- C. If objects contain PI
- D. trigger an S3 Lifecycle policy to remove the objects that contain PII.
- E. Use an Amazon S3 bucket as a secure transfer poin
- F. Use Amazon Macie to scan the objects in the bucke
- G. If objects contain PI
- H. Use Amazon Simple Notification Service (Amazon SNS) to trigger a notification to the administrators to remove the objects mat contain PII.
- I. Implement custom scanning algorithms in an AWS Lambda functio
- J. Trigger the function when objects are loaded into the bucke
- K. It objects contain RI
- L. use Amazon Simple Notification Service (Amazon SNS) to trigger a notification to the administrators to remove the objects that contain PII.
- M. Implement custom scanning algorithms in an AWS Lambda functio
- N. Trigger the function when objects are loaded into the bucke
- O. If objects contain PI
- P. use Amazon Simple Email Service (Amazon STS) to trigger a notification to the administrators and trigger on S3 Lifecycle policy to remove the objects mot contain PII.

**Answer: B**

#### NEW QUESTION 18

A company wants to migrate its on-premises application to AWS. The application produces output files that vary in size from tens of gigabytes to hundreds of terabytes The application data must be stored in a standard file system structure

The company wants a solution that scales automatically, is highly available, and requires minimum operational overhead.

Which solution will meet these requirements?

- A. Migrate the application to run as containers on Amazon Elastic Container Service (Amazon ECS) Use Amazon S3 for storage
- B. Migrate the application to run as containers on Amazon Elastic Kubernetes Service (Amazon EKS) Use Amazon Elastic Block Store (Amazon EBS) for storage
- C. Migrate the application to Amazon EC2 instances in a Multi-AZ Auto Scaling grou
- D. Use Amazon Elastic File System (Amazon EFS) for storage.
- E. Migrate the application to Amazon EC2 instances in a Multi-AZ Auto Scaling grou
- F. Use Amazon Elastic Block Store (Amazon EBS) for storage.

**Answer: C**

#### NEW QUESTION 23

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 consol
- D. Store the backup in an Amazon S3 bucke
- E. Set an S3 Lifecycle configuration for the S3 bucket.
- F. Create an Amazon EventBridge (Amazon CloudWatch Events) rule to invoke an AWS Lambda functio
- G. Configure the Lambda function to back up the table and to store the backup in an Amazon S3 bucke

H. Set an S3 Lifecycle configuration for the S3 bucket.

**Answer: C**

#### NEW QUESTION 24

A company is planning to build a high performance computing (HPC) workload as a service solution that is hosted on AWS. A group of 16 Amazon EC2 Linux instances requires the lowest possible latency for node-to-node communication. The instances also need a shared block device volume for high-performing storage. Which solution will meet these requirements?

- A. Use a duster placement group
- B. Attach a single Provisioned IOPS SSD Amazon Elastic Block Store (Amazon EBS) volume to all the instances by using Amazon EBS Multi-Attach
- C. Use a cluster placement group
- D. Create shared file systems across the instances by using Amazon Elastic File System (Amazon EFS)
- E. Use a partition placement group
- F. Create shared tile systems across the instances by using Amazon Elastic File System (Amazon EFS).
- G. Use a spread placement group
- H. Attach a single Provisioned IOPS SSD Amazon Elastic Block Store (Amazon EBS) volume to all the instances by using Amazon EBS Multi-Attach

**Answer: A**

#### NEW QUESTION 29

A company wants to use the AWS Cloud to make an existing application highly available and resilient. The current version of the application resides in the company's data center. The application recently experienced data loss after a database server crashed because of an unexpected power outage. The company needs a solution that avoids any single points of failure. The solution must give the application the ability to scale to meet user demand. Which solution will meet these requirements?

- A. Deploy the application servers by using Amazon EC2 instances in an Auto Scaling group across multiple Availability Zones
- B. Use an Amazon RDS DB instance in a Multi-AZ configuration.
- C. Deploy the application servers by using Amazon EC2 instances in an Auto Scaling group in a single Availability Zone
- D. Deploy the database on an EC2 instance
- E. Enable EC2 Auto Recovery.
- F. Deploy the application servers by using Amazon EC2 instances in an Auto Scaling group across multiple Availability Zones
- G. Use an Amazon RDS DB instance with a read replica in a single Availability Zone
- H. Promote the read replica to replace the primary DB instance if the primary DB instance fails.
- I. Deploy the application servers by using Amazon EC2 instances in an Auto Scaling group across multiple Availability Zones. Deploy the primary and secondary database servers on EC2 instances across multiple Availability Zones. Use Amazon Elastic Block Store (Amazon EBS) Multi-Attach to create shared storage between the instances.

**Answer: A**

#### NEW QUESTION 30

A company has migrated a two-tier application from its on-premises data center to the AWS Cloud. The data tier is a Multi-AZ deployment of Amazon RDS for Oracle with 12 TB of General Purpose SSD Amazon Elastic Block Store (Amazon EBS) storage. The application is designed to process and store documents in the database as binary large objects (blobs) with an average document size of 6 MB. The database size has grown over time, reducing the performance and increasing the cost of storage. The company must improve the database performance and needs a solution that is highly available and resilient. Which solution will meet these requirements MOST cost-effectively?

- A. Reduce the RDS DB instance size. Increase the storage capacity to 24 TiB. Change the storage type to Magnetic.
- B. Increase the RDS DB instance size.
- C. Increase the storage capacity to 24 TiB. Change the storage type to Provisioned IOPS.
- D. Create an Amazon S3 bucket.
- E. Update the application to store documents in the S3 bucket. Store the object metadata in the existing database.
- F. Create an Amazon DynamoDB table.
- G. Update the application to use DynamoDB.
- H. Use AWS Database Migration Service (AWS DMS) to migrate data from the Oracle database to DynamoDB.

**Answer: C**

#### NEW QUESTION 35

A company uses Amazon EC2 instances to host its internal systems. As part of a deployment operation, an administrator tries to use the AWS CLI to terminate an EC2 instance. However, the administrator receives a 403 (Access Denied) error message. The administrator is using an IAM role that has the following IAM policy attached:

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Effect": "Allow",
      "Action": ["ec2:TerminateInstances"],
      "Resource": ["*"]
    },
    {
      "Effect": "Deny",
      "Action": ["ec2:TerminateInstances"],
      "Condition": {
        "NotIpAddress": {
          "aws:SourceIp": [
            "192.0.2.0/24",
            "203.0.113.0/24"
          ]
        }
      }
    }
  ],
  "Resource": ["*"]
}
```

What is the cause of the unsuccessful request?

- A. The EC2 Instance has a resource-based policy with a Deny statement.
- B. The principal has not been specified in the policy statement
- C. The "Action" field does not grant the actions that are required to terminate the EC2 instance
- D. The request to terminate the EC2 instance does not originate from the CIDR blocks 192.0.2.0/24 or 203.0.113.0/24.

**Answer: B**

#### NEW QUESTION 37

A company's ecommerce website has unpredictable traffic and uses AWS Lambda functions to directly access a private Amazon RDS for PostgreSQL DB instance. The company wants to maintain predictable database performance and ensure that the Lambda invocations do not overload the database with too many connections.

What should a solutions architect do to meet these requirements?

- A. Point the client driver at an RDS custom endpoint Deploy the Lambda functions inside a VPC
- B. Point the client driver at an RDS proxy endpoint Deploy the Lambda functions inside a VPC
- C. Point the client driver at an RDS custom endpoint Deploy the Lambda functions outside a VPC
- D. Point the client driver at an RDS proxy endpoint Deploy the Lambda functions outside a VPC

**Answer: B**

#### NEW QUESTION 39

A company is running a critical business application on Amazon EC2 instances behind an Application Load Balancer. The EC2 instances run in an Auto Scaling group and access an Amazon RDS DB instance.

The design did not pass an operational review because the EC2 instances and the DB instance are all located in a single Availability Zone. A solutions architect must update the design to use a second Availability Zone.

Which solution will make the application highly available?

- A. Provision a subnet in each Availability Zone. Configure the Auto Scaling group to distribute the EC2 instances across both Availability Zones. Configure the DB instance with connections to each network.
- B. Provision two subnets that extend across both Availability Zones. Configure the Auto Scaling group to distribute the EC2 instances across both Availability Zones. Configure the DB instance with connections to each network.
- C. Provision a subnet in each Availability Zone. Configure the Auto Scaling group to distribute the EC2 instances across both Availability Zones. Configure the DB instance for Multi-AZ deployment.
- D. Provision a subnet that extends across both Availability Zones. Configure the Auto Scaling group to distribute the EC2 instances across both Availability Zones. Configure the DB instance for Multi-AZ deployment.

**Answer: C**

#### NEW QUESTION 43

A company is using a SQL database to store movie data that is publicly accessible. The database runs on an Amazon RDS Single-AZ DB instance. A script runs queries at random intervals each day to record the number of new movies that have been added to the database. The script must report a final total during business hours. The company's development team notices that the database performance is inadequate for development tasks when the script is running. A solutions architect must recommend a solution to resolve this issue. Which solution will meet this requirement with the LEAST operational overhead?

- A. Modify the DB instance to be a Multi-AZ deployment
- B. Create a read replica of the database. Configure the script to query only the read replica
- C. Instruct the development team to manually export the entries in the database at the end of each day
- D. Use Amazon ElastiCache to cache the common queries that the script runs against the database

**Answer: B**

#### NEW QUESTION 47

A company's web application consists of an Amazon API Gateway API in front of an AWS Lambda function and an Amazon DynamoDB database. The Lambda function

handles the business logic, and the DynamoDB table hosts the data. The application uses Amazon Cognito user pools to identify the individual users of the application. A solutions architect needs to update the application so that only users who have a subscription can access premium content.

- A. Enable API caching and throttling on the API Gateway API

- B. Set up AWS WAF on the API Gateway API Create a rule to filter users who have a subscription
- C. Apply fine-grained IAM permissions to the premium content in the DynamoDB table
- D. Implement API usage plans and API keys to limit the access of users who do not have a subscription.

**Answer:** C

#### NEW QUESTION 49

A company wants to analyze and troubleshoot Access Denied errors and unauthorized errors that are related to IAM permissions. The company has AWS CloudTrail turned on.

Which solution will meet these requirements with the LEAST effort?

- A. Use AWS Glue and write custom scripts to query CloudTrail logs for the errors.
- B. Use AWS Batch and write custom scripts to query CloudTrail logs for the errors.
- C. Search CloudTrail logs with Amazon Athena queries to identify the errors
- D. Search CloudTrail logs with Amazon QuickSight Create a dashboard to identify the errors

**Answer:** C

#### NEW QUESTION 52

A company is building an ecommerce application and needs to store sensitive customer information. The company needs to give customers the ability to complete purchase transactions on the website. The company also needs to ensure that sensitive customer data is protected, even from database administrators.

Which solution meets these requirements?

- A. Store sensitive data in an Amazon Elastic Block Store (Amazon EBS) volume
- B. Use EBS encryption to encrypt the data
- C. Use an IAM instance role to restrict access.
- D. Store sensitive data in Amazon RDS for MySQL
- E. Use AWS Key Management Service (AWS KMS) client-side encryption to encrypt the data.
- F. Store sensitive data in Amazon S3. Use AWS Key Management Service (AWS KMS) service-side encryption the data
- G. Use S3 bucket policies to restrict access.
- H. Store sensitive data in Amazon FSx for Windows Server
- I. Mount the file share on application servers. Use Windows file permissions to restrict access.

**Answer:** C

#### NEW QUESTION 57

A company has an application that runs on Amazon EC2 instances and uses an Amazon Aurora database. The EC2 instances connect to the database by using user names and passwords that are stored locally in a file. The company wants to minimize the operational overhead of credential management.

What should a solutions architect do to accomplish this goal?

- A. Use AWS Secrets Manager
- B. Turn on automatic rotation.
- C. Use AWS Systems Manager Parameter Store
- D. Turn on automatic rotation
- E. • Create an Amazon S3 bucket to store objects that are encrypted with an AWS Key Management Service (AWS KMS) encryption key
- F. Migrate the credential file to the S3 bucket
- G. Point the application to the S3 bucket.
- I. Create an encrypted Amazon Elastic Block Store (Amazon EBS) volume (on each EC2 instance)
- J. Attach the new EBS volume to each EC2 instance
- K. Migrate the credential file to the new EBS volume
- L. Point the application to the new EBS volume.

**Answer:** C

#### NEW QUESTION 62

A company has two AWS accounts in the same AWS Region. One account is a publisher account, and the other account is a subscriber account. Each account has its own Amazon S3 bucket.

An application puts media objects into the publisher account's S3 bucket. The objects are encrypted with server-side encryption with customer-provided encryption keys (SSE-C). The company needs a solution that will automatically copy the objects to the subscriber's account's S3 bucket.

Which solution will meet these requirements with the LEAST operational overhead?

- A. Enable S3 Versioning on the publisher account's S3 bucket. Configure S3 Same-Region Replication of the objects to the subscriber account's S3 bucket
- B. Create an AWS Lambda function that is invoked when objects are published in the publisher account's S3 bucket
- C. Configure the Lambda function to copy the objects to the subscriber account's S3 bucket
- D. Configure Amazon EventBridge (Amazon CloudWatch Events) to invoke an AWS Lambda function when objects are published in the publisher account's S3 bucket. Configure the Lambda function to copy the objects to the subscriber account's S3 bucket
- E. Configure Amazon EventBridge (Amazon CloudWatch Events) to publish Amazon Simple Notification Service (Amazon SNS) notifications when objects are published in the publisher account's S3 bucket. When notifications are received, use the S3 console to copy the objects to the subscriber account's S3 bucket

**Answer:** B

#### NEW QUESTION 65

A company uses Amazon S3 as its data lake. The company has a new partner that must use SFTP to upload data files. A solutions architect needs to implement a highly available SFTP solution that minimizes operational overhead.

Which solution will meet these requirements?

- A. Use AWS Transfer Family to configure an SFTP-enabled server with a publicly accessible endpoint. Choose the S3 data lake as the destination.



- B. Use Amazon S3 File Gateway as an SFTP server Expose the S3 File Gateway endpoint URL to the new partner Share the S3 File Gateway endpoint with the new partner
- C. Launch an Amazon EC2 instance in a private subnet in a VPC Instruct the new partner to upload files to the EC2 instance by using a VPN Run a cron job script on the EC2 instance to upload files to the S3 data lake
- D. Launch Amazon EC2 instances in a private subnet in a VPC Place a Network Load Balancer (NLB) in front of the EC2 instances Create an SFTP listener port for the NLB Share the NLB hostname with the new partner
- E. Run a cron job script on the EC2 instances to upload files to the S3 data lake

**Answer:** A

#### NEW QUESTION 67

A company has a web application that runs on Amazon EC2 instances. The company wants end users to authenticate themselves before they use the web application. The web application accesses AWS resources, such as Amazon S3 buckets, on behalf of users who are logged on. Which combination of actions must a solutions architect take to meet these requirements? (Select TWO).

- A. Configure AWS App Mesh to log on users.
- B. Enable and configure AWS Single Sign-On in AWS Identity and Access Management (IAM).
- C. Define a default IAM role for authenticated users.
- D. Use AWS Identity and Access Management (IAM) for user authentication.
- E. Use Amazon Cognito for user authentication.

**Answer:** BE

#### NEW QUESTION 71

A solutions architect is designing a new hybrid architecture to extend a company's on-premises infrastructure to AWS. The company requires a highly available connection with consistent low latency to an AWS Region. The company needs to minimize costs and is willing to accept slower traffic if the primary connection fails.

What should the solutions architect do to meet these requirements?

- A. Provision an AWS Direct Connect connection to a Region Provision a VPN connection as a backup if the primary Direct Connect connection fails.
- B. Provision a VPN tunnel connection to a Region for private connectivity
- C. Provision a second VPN tunnel for private connectivity and as a backup if the primary VPN connection fails.
- D. Provision an AWS Direct Connect connection to a Region Provision a second Direct Connect connection to the same Region as a backup if the primary Direct Connect connection fails.
- E. Provision an AWS Direct Connect connection to a Region Use the Direct Connect failover attribute from the AWS CLI to automatically create a backup connection if the primary Direct Connect connection fails.

**Answer:** A

#### NEW QUESTION 72

A company is developing a new machine learning (ML) model solution on AWS. The models are developed as independent microservices that fetch approximately 1GB of model data from Amazon S3 at startup and load the data into memory. Users access the models through an asynchronous API. Users can send a request or a batch of requests and specify where the results should be sent.

The company provides models to hundreds of users. The usage patterns for the models are irregular. Some models could be unused for days or weeks. Other models could receive batches of thousands of requests at a time.

Which design should a solutions architect recommend to meet these requirements?

- A. Direct the requests from the API to a Network Load Balancer (NLB). Deploy the models as AWS Lambda functions that are invoked by the NLB.
- B. Direct the requests from the API to an Application Load Balancer (ALB). Deploy the models as Amazon Elastic Container Service (Amazon ECS) services that read from an Amazon Simple Queue Service (Amazon SQS) queue. Use AWS App Mesh to scale the instances of the ECS cluster based on the SQS queue size.
- C. Direct the requests from the API into an Amazon Simple Queue Service (Amazon SQS) queue. Deploy the models as AWS Lambda functions that are invoked by SQS events. Use AWS Auto Scaling to increase the number of vCPUs for the Lambda functions based on the SQS queue size.
- D. Direct the requests from the API into an Amazon Simple Queue Service (Amazon SQS) queue. Deploy the models as Amazon Elastic Container Service (Amazon ECS) services that read from the queue. Enable AWS Auto Scaling on Amazon ECS for both the cluster and copies of the service based on the queue size.

**Answer:** C

#### NEW QUESTION 77

A company has developed a new content-sharing application that runs on Amazon Elastic Container Service (Amazon ECS). The application runs on Amazon Linux Docker tasks that use the Amazon EC2 launch type. The application requires a storage solution that has the following characteristics:

- Accessibility (or multiple ECS tasks through bind mounts)
- Resiliency across Availability Zones
- Burstable throughput of up to 3 Gbps
- Ability to be scaled up over time

Which storage solution meets these requirements?

- A. Launch an Amazon FSx for Windows File Server Multi-AZ instance.
- B. Configure the ECS task definitions to mount the Amazon FSx instance volume at launch.
- C. Launch an Amazon Elastic File System (Amazon EFS) instance.
- D. Configure the ECS task definitions to mount the EFS Instance volume at launch.
- E. Create a Provisioned IOPS SSD (io2) Amazon Elastic Block Store (Amazon EBS) volume with Multi-Attach set to enable.
- F. Attach the EBS volume to the ECS EC2 instance. Configure ECS task definitions to mount the EBS instance volume at launch.
- G. Launch an EC2 instance with several Provisioned IOPS SSD (io2) Amazon Elastic Block Store (Amazon EBS) volumes attached in a RAID 0 configuration.
- H. Configure the EC2 instance as an NFS storage server.
- I. Configure ECS task definitions to mount the volumes at launch.

**Answer:** B

#### NEW QUESTION 78

A company needs to move data from an Amazon EC2 instance to an Amazon S3 bucket. The company must ensure that no API calls and no data are routed through public internet routes. Only the EC2 instance can have access to upload data to the S3 bucket. Which solution will meet these requirements?

- A. Create an interface VPC endpoint for Amazon S3 in the subnet where the EC2 instance is located. Attach a resource policy to the S3 bucket to only allow the EC2 instance's IAM role for access.
- B. Create a gateway VPC endpoint for Amazon S3 in the Availability Zone where the EC2 instance is located. Attach appropriate security groups to the endpoint. Attach a resource policy to the S3 bucket to only allow the EC2 instance's IAM role for access.
- C. Run the nslookup tool from inside the EC2 instance to obtain the private IP address of the S3 bucket's service API endpoint. Create a route in the VPC route table to provide the EC2 instance with access to the S3 bucket. Attach a resource policy to the S3 bucket to only allow the EC2 instance's IAM role for access.
- D. Use the AWS provided publicly available IP ranges JSON file to obtain the private IP address of the S3 bucket's service API endpoint. Create a route in the VPC route table to provide the EC2 instance with access to the S3 bucket. Attach a resource policy to the S3 bucket to only allow the EC2 instance's IAM role for access.

**Answer: B**

#### NEW QUESTION 80

A company has chosen to rehost its application on Amazon EC2 instances. The application occasionally experiences errors that affect parts of its functionality. The company was unaware of this issue until users reported the errors. The company wants to address this problem during the migration and reduce the time it takes to detect issues with the application. Log files for the application are stored on the local disk.

A solutions architect needs to design a solution that will alert staff if there are errors in the application after the application is migrated to AWS. The solution must not require additional changes to the application code.

What is the MOST operationally efficient solution that meets these requirements?

- A. Configure the application to generate custom metrics for the errors. Send these metric data points to Amazon CloudWatch.
- B. CloudWatch by using the PutMetricData API call. Create a CloudWatch alarm that is based on the custom metrics.
- C. Create an hourly cron job on the instances to copy the application log data to an Amazon S3 bucket. Configure an AWS Lambda function to scan the log file and publish a message to an Amazon Simple Notification Service (Amazon SNS) topic to alert staff if errors are detected.
- D. Install the Amazon CloudWatch agent on the instances. Configure the CloudWatch agent to stream the application log file to Amazon CloudWatch Logs. Run a CloudWatch Logs Insights query to search for the relevant pattern in the log file. Create a CloudWatch alarm that is based on the query output.
- E. Install the Amazon CloudWatch agent on the instances. Configure the CloudWatch agent to stream the application log file to Amazon CloudWatch Log.
- F. Create a metric filter for the relevant log group.
- G. Define the filter pattern that is required to determine that there are errors in the application. Create a CloudWatch alarm that is based on the resulting metric.

**Answer: B**

#### NEW QUESTION 85

A gaming company wants to launch a new internet-facing application in multiple AWS Regions. The application will use the TCP and UDP protocols for communication. The company needs to provide high availability and minimum latency for global users.

Which combination of actions should a solutions architect take to meet these requirements? (Select TWO.)

- A. Create internal Network Load Balancers in front of the application in each Region.
- B. Create external Application Load Balancers in front of the application in each Region.
- C. Create an AWS Global Accelerator accelerator to route traffic to the load balancers in each Region.
- D. Configure Amazon Route 53 to use a geolocation routing policy to distribute the traffic.
- E. Configure Amazon CloudFront to handle the traffic and route requests to the application in each Region.

**Answer: AC**

#### NEW QUESTION 88

A company wants to use Amazon S3 for the secondary copy of its 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 93

A company wants to migrate its on-premises application to AWS. The application produces output files that vary in size from tens of gigabytes to hundreds of terabytes. The application data must be stored in a standard file system structure. The company wants a solution that scales automatically, is highly available, and requires minimum operational overhead.

Which solution will meet these requirements?

- A. Migrate the application to run as containers on Amazon Elastic Container Service (Amazon ECS). Use Amazon S3 for storage.
- B. Migrate the application to run as containers on Amazon Elastic Kubernetes Service (Amazon EKS). Use Amazon Elastic Block Store (Amazon EBS) for storage.
- C. Migrate the application to Amazon EC2 instances in a Multi-AZ Auto Scaling group.
- D. Use Amazon Elastic File System (Amazon EFS) for storage.
- E. Migrate the application to Amazon EC2 instances in a Multi-AZ Auto Scaling group.
- F. Use Amazon Elastic Block Store (Amazon EBS) for storage.

**Answer: C**

#### NEW QUESTION 94

A company uses a legacy application to produce data in CSV format. The legacy application stores the output data in Amazon S3. The company is deploying a new commercial off-the-shelf (COTS) application that can perform complex SQL queries to analyze data that is stored in Amazon Redshift and Amazon S3 only. However, the COTS application cannot process the CSV files that the legacy application produces. The company cannot update the legacy application to produce data in another format. The company needs to implement a solution so that the COTS application can use the data that the legacy application produces. Which solution will meet these requirements with the LEAST operational overhead?

- A. Create a AWS Glue extract, transform, and load (ETL) job that runs on a schedule.
- B. Configure the ETL job to process the .csv files and store the processed data in Amazon Redshift.
- C. Develop a Python script that runs on Amazon EC2 instances to convert the CSV files to SQL files. Invoke the Python script on a cron schedule to store the output files in Amazon S3.
- D. Create an AWS Lambda function and an Amazon DynamoDB table.
- E. Use an S3 event to invoke the Lambda function.
- F. Configure the Lambda function to perform an extract, transform, and load (ETL) job to process the .csv files and store the processed data in the DynamoDB table.
- G. Use Amazon EventBridge (Amazon CloudWatch Events) to launch an Amazon EMR cluster on a weekly schedule.
- H. Configure the EMR cluster to perform an extract, transform, and load (ETL) job to process the .csv files and store the processed data in an Amazon Redshift table.

**Answer:** C

#### NEW QUESTION 95

A new employee has joined a company as a deployment engineer. The deployment engineer will be using AWS CloudFormation templates to create multiple AWS resources. A solutions architect wants the deployment engineer to perform job activities while following the principle of least privilege. Which steps should the solutions architect do in conjunction to reach this goal? (Select two.)

- A. Have the deployment engineer use AWS account root user credentials for performing AWS CloudFormation stack operations.
- B. Create a new IAM user for the deployment engineer and add the IAM user to a group that has the PowerUsers IAM policy attached.
- C. Create a new IAM user for the deployment engineer and add the IAM user to a group that has the Administrators IAM policy attached.
- D. Create a new IAM User for the deployment engineer and add the IAM user to a group that has an IAM policy that allows AWS CloudFormation actions only.
- E. Create an IAM role for the deployment engineer to explicitly define the permissions specific to the AWS CloudFormation stack and launch stacks using the IAM role.

**Answer:** DE

#### Explanation:

[https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_roles.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_roles.html) [https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_users.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_users.html)

#### NEW QUESTION 96

An online retail company has more than 50 million active customers and receives more than 25,000 orders each day. The company collects purchase data for customers and stores this data in Amazon S3. Additional customer data is stored in Amazon RDS. The company wants to make all the data available to various teams so that the teams can perform analytics. The solution must provide the ability to manage fine-grained permissions for the data and must minimize operational overhead. Which solution will meet these requirements?

- A. Migrate the purchase data to write directly to Amazon RDS.
- B. Use RDS access controls to limit access.
- C. Schedule an AWS Lambda function to periodically copy data from Amazon RDS to Amazon S3. Create an AWS Glue crawler.
- D. Use Amazon Athena to query the data.
- E. Use S3 policies to limit access.
- F. Create a data lake by using AWS Lake Formation.
- G. Create an AWS Glue JDBC connection to Amazon RDS.
- H. Register the S3 bucket in Lake Formation.
- I. Use Lake Formation access controls to limit access.
- J. Create an Amazon Redshift cluster. Schedule an AWS Lambda function to periodically copy data from Amazon S3 and Amazon RDS to Amazon Redshift.
- L. Use Amazon Redshift access controls to limit access.

**Answer:** C

#### NEW QUESTION 98

A company runs its ecommerce application on AWS. Every new order is published as a message in a RabbitMQ queue that runs on an Amazon EC2 instance in a single Availability Zone. These messages are processed by a different application that runs on a separate EC2 instance. This application stores the details in a PostgreSQL database on another EC2 instance. All the EC2 instances are in the same Availability Zone. The company needs to redesign its architecture to provide the highest availability with the least operational overhead. What should a solutions architect do to meet these requirements?

- A. Migrate the queue to a redundant pair (active/standby) of RabbitMQ instances on Amazon M
- B. Create a Multi-AZ Auto Scaling group (or EC2 instances) that host the applicatio
- C. Create another Multi-AZ Auto Scaling group for EC2 instances that host the PostgreSQL database.
- D. Migrate the queue to a redundant pair (active/standby) of RabbitMQ instances on Amazon M
- E. Create a Multi-AZ Auto Scaling group for EC2 instances that host the applicatio
- F. Migrate the database to run on a Multi-AZ deployment of Amazon RDS for PostgreSQL.
- G. Create a Multi-AZ Auto Scaling group for EC2 instances that host the RabbitMQ queu
- H. Create another Multi-AZ Auto Scaling group for EC2 instances that host the applicatio
- I. Migrate the database to run on a Multi-AZ deployment of Amazon RDS for PostgreSQL.
- J. Create a Multi-AZ Auto Scaling group for EC2 instances that host the RabbitMQ queu
- K. Create another Multi-AZ Auto Scaling group for EC2 instances that host the applicatio
- L. Create a third Multi-AZ Auto Scaling group for EC2 instances that host the PostgreSQL database.

**Answer:** C



#### NEW QUESTION 103

A solution architect is using an AWS CloudFormation template to deploy a three-tier web application. The web application consist of a web tier and an application that stores and retrieves user data in Amazon DynamoDB tables. The web and application tiers are hosted on Amazon EC2 instances, and the database tier is not publicly accessible. The application EC2 instances need to access the Dynamo tables Without exposing API credentials in the template. What should the solution architect do to meet the requirements?

- A. Create an IAM role to read the DynamoDB table
- B. Associate the role with the application instances by referencing an instance profile.
- C. Create an IAM role that has the required permissions to read and write from the DynamoDB table
- D. Add the role to the EC2 instance profile, and associate the instances profile with the application instances.
- E. Use the parameter section in the AWS CloudFormation template to have the user input access and secret keys from an already-created IAM user that has the required permissions to read and write from the DynamoDB tables.
- F. Create an IAM user in the AWS CloudFormation template that has the required permissions to read and write from the DynamoDB table
- G. Use the GetAtt function to retrieve the access secret keys, and pass them to the application instances through the user data.

**Answer: B**

#### NEW QUESTION 107

A company wants to direct its users to a backup static error page if the company's primary website is unavailable. The primary website's DNS records are hosted in Amazon Route 53. The domain is pointing to an Application Load Balancer (ALB). The company needs a solution that minimizes changes and infrastructure overhead.

Which solution will meet these requirements?

- A. Update the Route 53 records to use a latency routing polic
- B. Add a static error page that is hosted in an Amazon S3 bucket to the records so that the traffic is sent to the most responsive endpoints.
- C. Set up a Route 53 active-passive failover configuratio
- D. Direct traffic to a static error page that is hosted in an Amazon S3 bucket when Route 53 health checks determine that the ALB endpoint is unhealthy.
- E. Set up a Route 53 active-active configuration with the ALB and an Amazon EC2 instance that hosts a static error page as endpoint
- F. Configure Route 53 to send requests to the instance only if the health checks fail for the ALB.
- G. Update the Route 53 records to use a multivalue answer routing polic
- H. Create a health chec
- I. Direct traffic to the website if the health check passe
- J. Direct traffic to a static error page that is hosted in Amazon S3 if the health check does not pass.

**Answer: B**

#### NEW QUESTION 108

A company that recently started using AWS establishes a Site-to-Site VPN between its on-premises data center and AWS. The company's security mandate states that traffic originating from on premises should stay within the company's private IP space when communicating with an Amazon Elastic Container Service (Amazon ECS) cluster that is hosting a sample web application.

Which solution meets this requirement?

- A. Configure a gateway endpoint for Amazon EC
- B. Modify the route table to include an entry pointing to the ECS cluster.
- C. Create a Network Load Balancer and AWS PrivateLink endpoint for Amazon ECS in the same VPC that is hosting the ECS cluster.
- D. Create a Network Load Balancer in one VPC and an AWS PrivateLink endpoint for Amazon ECS in another VP
- E. Connect the two by using VPC peering.
- F. Configure an Amazon Route record with Amazon ECS as the targe
- G. Apply a server certificate to Route 53 from AWS Certificate Manager (ACM) for SSL offloading.

**Answer: A**

#### NEW QUESTION 110

A company runs a photo processing application mat needs to frequently upload and download pictures from Amazon S3 buckets that are located in the same AWS Region A solutions architect has noticed an increased cost in data transfer lees and needs to implement a solution to reduce these costs

How can the solutions architect meet this requirement?

- A. Deploy Amazon API Gateway into a public subnet and adjust the route table to route S3 calls through it
- B. Deploy a NAT gateway into a public subnet and attach an endpoint policy that allows access to the S3 buckets
- C. Deploy the application into a public subnet and allow it to route through an internet gateway to access the S3 buckets
- D. Deploy an S3 VPC gateway endpoint into the VPC and attach an endpoint policy that allows access to the S3 buckets

**Answer: D**

#### NEW QUESTION 114

A solutions architect is tasked with transferring 750 TB of data from a network-attached file system located at a branch office to Amazon S3 Glacier The solution must avoid saturating the branch office's tow-bandwidth internet connection

What is the MOST cost-effective solution?

- A. Create a site-to-site VPN tunnel to an Amazon S3 bucket and transfer the files directl
- B. Create a bucket policy to enforce a VPC endpoint
- C. Order 10 AWS Snowball appliances and select an S3 Glacier vault as the destinatio
- D. Create a bucket policy to enforce a VPC endpoint
- E. Mount the network-attached file system to Amazon S3 and copy the files directl
- F. Create a lifecycle policy to transition the S3 objects to Amazon S3 Glacier
- G. Order 10 AWS Snowball appliances and select an Amazon S3 bucket as the destinatio
- H. Create a lifecycle policy to transition the S3 objects to Amazon S3 Glacier



**Answer:** D

**NEW QUESTION 119**

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? (Select 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 120**

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