to Amazon CloudWatch if Amazon Inspector finds any sensitive data.
B. Deploy Amazon QuickSight to scan the ingested data. Configure QuickSight to log findings to Amazon CloudWatch if QuickSight finds any sensitive data.
C. Create a series of AWS Lambda functions to call Amazon GuardDuty to perform scans of the ingested data. If GuardDuty finds any sensitive data, invoke a Lambda function to write findings to Amazon CloudWatch.
D. Create a series of AWS Lambda functions to call Amazon Macie to perform scans of the ingested data. If Macie finds any sensitive data, invoke a Lambda function to write findings to Amazon CloudWatch.

Correct Answer: D

QUESTION 364
A development learn is creating an event-based application that uses AWS Lambda functions. Events will be generated when files are added to an Amazon S3 bucket. The development team currently has Amazon Simple Notification Service (Amazon SNS) configured as the event target from Amazon S3. What should a solutions architect do to process the events from Amazon S3 in a scalable way?

A. Create an SNS subscription that processes the event in Amazon Elastic Container Service (Amazon ECS) before the event runs in Lambda.
B. Create an SNS subscription that processes the event in Amazon Elastic Kubernetes Service (Amazon EKS) before the event runs in Lambda.
C. Create an SNS subscription that sends the event to Amazon Simple Queue Service (Amazon SOS). Configure the SOS queue to trigger a Lambda function.
D. Create an SNS subscription that sends the event to AWS Server Migration Service (AWS SMS). Configure the Lambda function to poll from the SMS event.

Correct Answer: D

QUESTION 365
A company runs a static website through its on-premises data center. The company has multiple servers that handle all of its traffic, but on busy days, services are interrupted and the website becomes unavailable. The company wants to expand its presence globally and plans to triple its website traffic. What should a solutions architect recommend to meet these requirements?

A. Migrate the website content to Amazon S3 and host the website on Amazon CloudFront.
B. Migrate the website content to Amazon EC2 instances with public Elastic IP addresses in multiple AWS Regions.
C. Migrate the website content to Amazon EC2 instances and vertically scale as the load increases.
D. Use Amazon Route 53 to distribute the loads across multiple Amazon CloudFront distributions for each AWS Region that exists globally.

Correct Answer: D

QUESTION 366
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

Correct Answer: C

QUESTION 367
A company wants to minimize cost by moving infrequently accessed audit archives to low-cost storage. Which AWS service should the company use for this storage?

A. AWS Backup
B. Amazon S3 Glacier
C. AWS Snowball
D. AWS Storage Gateway

Correct Answer: B
QUESTION 368
An application allows users at a company's headquarters to access product data. The product data is stored in an Amazon RDS MySQL DB instance. The operations team has isolated an application performance slowdown and wants to separate read traffic from write traffic. A solutions architect needs to optimize the application's performance quickly. What should the solutions architect recommend?

A. Change the existing database to a Multi-AZ deployment. Serve the read requests from the primary Availability Zone.
B. Change the existing database to a Multi-AZ deployment. Serve the read requests from the secondary Availability Zone.
C. Create read replicas for the database. Configure the read replicas with half of the compute and storage resources as the source database.
D. Create read replicas for the database. Configure the read replicas with the same compute and storage resources as the source database.

Correct Answer: D

QUESTION 369
A company is developing an API that mobile apps will use to retneve weather information. During beta testing the company ran the API on Amazon EC2 instances and used an Application Load Balancer (ALB) to route requests to a single Auto Scaling group. The company used an Amazon DynamoDB table for persistent data storage. The company wants to move to an architecture that can scale easily with the least possible operational overhead. What should a solutions architect do to meet these requirements?

A. Use separate Auto Scaling groups for each API request type. Change the ALB to route requests to the appropriate Auto Scaling group.
B. Implement an Amazon API Gateway API to replace the ALB. Configure each API request method with an AWS Lambda function to process the request.
C. Migrate the API to containers Use an Amazon Elastic Container Service (Amazon ECS) cluster that has services for each API request. Configure each service with its own Auto Scaling group.
D. Configure the API to publish to an Amazon Simple Notification Service (Amazon SNS) topic for each API request method. Subscribe an Amazon Simple Queue Service (Amazon SQS) queue to

the SNS topic. Subscribe an AWS Lambda function to the SQS queue to process a request.

Correct Answer: B

QUESTION 370
A company wants to design its cloud architecture so that its workloads are resilient, can consistently perform their intended functions correctly, and can recover from failure quickly. Which pillar of the AWS Well-Architected Framework does this architecture represent?

A. Security
B. Performance efficiency
C. Operational excellence
D. Reliability

Correct Answer: C

QUESTION 371
A solution architect is designing an application for a two-step order across. The first step is synhronous and must return to the user with little latency. The second step takes longer so it will be implemented in a separate component. Orders must be processed exacity once and in the order in which they are received. How should the solutions architect integrate these components?

A. Use Amazon SQS FIFO queues.
B. Use an AWS Lambda function along with Amazon SQS standard queues.
C. Create an SNS topic and subscribe an Amazon SQS FIFO queue to that topic.
D. Create an SNS topic subscribe an Amazon SQS Standard queue to that topic.

Correct Answer: C

QUESTION 372
A manufacturing company wants to implement predictive maintenance on its machinery equipment. The company will install thousands of loT sensors that will send data to AWS in real time. A solutions architect is tasked with implementing a solution that will receive events in an ordered manner for each machinery asset and ensure that data is saved for further processing at a later time. Which solution would be MOST efficient?

A. Use Amazon Kinesis Data Streams for real-time events with a partition for each equipment asset. Use Amazon Kinesis Data Firehose to save data to Amazon S3.
B. Use Amazon Kinesis Data Streams for real-time events with a shard for each equipment asset. Use Amazon Kinesis Data Firehose to save data to Amazon EBS.
C. Use an Amazon SQS FIFO queue for real-time events with one queue for each equipment asset. Trigger an AWS Lambda function for the SQS queue to save data to Amazon EFS.
D. Use an Amazon SQS standard queue for real-time events with one queue for each equipment asset. Trigger an AWS Lambda function from the SQS queue to save data to Amazon S3.

Correct Answer: A

QUESTION 373
A company recently expanded globally and wants to make its application accessible to users in those geographic locations. The application is deployed on Amazon EC2 instances behind an

Application Load Balancer in an Auto Scaling group. The company needs the ability to shift traffic from resources in one region to another. What should a solutions architect recommend?

A. Configure an Amazon Route 53 latency routing policy.
B. Configure an Amazon Route 53 geolocation routing policy.
C. Configure an Amazon Route 53 geoproximity routing policy.
D. Configure an Amazon Route 53 multivalue answer routing policy.

Correct Answer: C
Explanation:
Geoproximity routing policy - Use when you want to route traffic based on the location of your resources and optionally, "shift traffic from resources in one location to resources in another". Using "Bias" you can expand or shrink size of the geographic region and shift traffic from one geographic region to another. To optionally change the size of the geographic region from which Route 53 routes traffic to a resource, specify the applicable value for the bias: To expand the size of the geographic region from which Route 53 routes traffic to a resource, specify a positive integer from 1 to 99 for the bias. Route 53 shrinks the size of adjacent regions. To shrink the size of the geographic region from which Route 53 routes traffic to a resource, specify a negative bias of -1 to-99. Route 53 expands the size of adjacent regions.
https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/routing-policy.html

QUESTION 374
A company hosts a marketing website in an on-premises data center. The website consists of static documents and runs on a single server. An administrator updates the website content infrequently and uses an SFTP client to upload new documents. The company decides to host its website on AWS and to use Amazon CloudFront. The company's solutions architect creates a CloudFront distribution. The solutions architect must design the most cost-effective and resilient architecture for website hosting to serve as the CloudFront origin. Which solution will meet these requirements?

A. Create a virtual server by using Amazon Lightsail. Configure the web server in the Lightsail instance. Upload website content by using an SFTP client.
B. Create an AWS Auto Scaling group for Amazon EC2 instances. Use an Application Load Balancer. Upload website content by using an SFTP client.
C. Create a private Amazon S3 bucket. Use an S3 bucket policy to allow access from a CloudFront origin access identity (OAI). Upload website content by using the AWS CLI.
D. Create a public Amazon S3 bucket. Configure AWS Transfer for SFTP. Configure the S3 bucket for website hosting Upload website content by using the SFTP client.

Correct Answer: C

QUESTION 375
A company is hosting a high-traffic static website on Amazon S3 with an Amazon CloudFront distribution that has a default TTL of 0 seconds. The company wants to implement caching to improve performance for the website. However the company also wants to ensure that stale content is not served for more than a few minutes after a deployment. Which combination of caching methods should a solutions architect implement to meet these requirements? (Select TWO)

A. Set the CloudFront default TTL to 2 minutes.
B. Set a default TTL of 2 minutes on the S3 bucket.
C. Add a Cache-Control private directive to the objects in Amazon S3.
D. Create an AWS LambdaQEdge function to add an Expires header to HTTP responses. Configure

the function to run on viewer response.
E. Add a Cache-Control max-age directive of 24 hours to the objects in Amazon S3. On deployment create a CloudFront invalidation to purge any changed files from edge caches.

Correct Answer: BD

QUESTION 376
A company's production application runs online transaction processing (OLTP) transactions on an Amazon RDS MySQL DB instance. The company is launching a new reporting tool that will access the same data. The reporting tool must be highly available and not impact the performance of the production application. How can this be achieved'?

A. Create hourly snapshots of the production RDS DB instance.
B. Create a Multi-AZ RDS. Read Replica of the production RDS DB instance.
C. Create multiple RDS. Read Replicas of the production RDS DB instance. Place the Read Replicas in an Auto Scaling group.
D. Create a Single-AZ RDS. Read Replica of the production RDS DB instance. Create a second Single-AZ RDS Read Replica from the replica.

Correct Answer: B

QUESTION 377
A company hosts its enterprise content management platform in one AWS Region but needs to operate the platform across multiple Regions. The company has an Amazon Elastic Kubernetes Service (Amazon EKS) cluster that runs its microservices. The EKS cluster stores and retrieves objects from Amazon S3. The EKS cluster also stores and retrieves metadata from Amazon DynamoDB. Which combination of steps should a solutions architect take to deploy the platform across multiple Regions? (Select TWO.)

A. Replicate the EKS cluster with cross-Region replication.
B. Use Amazon API Gateway to create a global endpoint to the EKS cluster.
C. Use AWS Global Accelerator endpoints to distribute the traffic to multiple Regions.
D. Use Amazon S3 access points to give access to the objects across multiple Regions. Configure DynamoDB Accelerator (DAX). Connect DAX to the relevant tables.
E. Deploy an EKS cluster and an S3 bucket in another Region. Configure cross-Region replication on both S3 buckets. Turn on global tables for DynamoDB.

Correct Answer: AB

QUESTION 378
A company has an application in which users create a large number of files. The company plans to migrate the application from its on-premises data center to AWS. Currently, the application uploads the files to a shared storage system. A separate fleet of servers then processes the files. Access to the files is controlled through Linux file system permissions. The company needs to migrate the fleet of servers to Amazon EC2 instances. The company must maximize storage scalability and durability without changing the code of the existing application. Which solution will meet these requirements?

A. Migrate the files to an Amazon S3 bucket. Mount the S3 bucket on the EC2 instances.
B. Migrate the files to a set of Amazon EC2 instance store volumes. Mount the instance store volumes on the EC2 instances.
C. Migrate the files to a set of Amazon Elastic Block Store (Amazon EBS) volumes. Mount the EBS