QUESTION 187
A solutions architect must migrate a Windows Internet Information Services (IIS) web application to AWS. The application currently relies on a file share hosted in the user's on-premises network-attached storage (NAS). The solutions architect has proposed migrating the MS web servers to Amazon EC2 instances in multiple Availability Zones that are connected to the storage solution, and configuring an Elastic Load Balancer attached to the instances. Which replacement to the on-premises file share is MOST resilient and durable?

A. Migrate the file share to Amazon RDS
B. Migrate the file share to AWS Storage Gateway
C. Migrate the file share to Amazon FSx for Windows File Server
D. Migrate the file share to Amazon Elastic File System (Amazon EFS)

Correct Answer: C

QUESTION 188
A company plans to store sensitive user data on Amazon S3 internal security compliance requirement mandate encryption of data before secured it to Amazon S3. What should a solutions architect recommend to safely these requirements?

A. Server-side encryption with customer-provided encryption keys.
B. Client-side encryption with Amazon S3 managed encryption keys.
C. Service-side encryption with keys stored in AWS Management Service (AWS KMS).
D. Server-side encryption with a master stored in AWS Management Service (AWS KMS).

Correct Answer: D

QUESTION 189
A company maintains about 300 TB in Amazon S3 Standard storage month after month. The S3 objects are each typically around 50 GB in size and are frequently replaced with multipart uploads by their global application. The number and size of S3 objects remain constant but the company's S3 storage costs are increasing each month. How should a solutions architect reduce costs in this situation?

A. Switch from multipart uploads to Amazon S3 Transfer Acceleration
B. Enable an S3 Lifecycle policy that deletes incomplete multipart uploads
C. Configure S3 inventory to prevent objects from being archived too quickly
D. Configure Amazon CloudFront to reduce the number of objects stored in Amazon S3

Correct Answer: B

QUESTION 190
A company has an image processing workload running on Amazon Elastic Container Service (Amazon ECS) in two private subnets. Each private subnet uses a NAT instance for Internet access. All images are stored in Amazon S3 buckets. The company is concerned about the data transfer costs between Amazon ECS and Amazon S3. What should a solutions architect do to reduce costs?

A. Configure a NAT gateway to replace the NAT instances
B. Configure a gateway endpoint for traffic destined to Amazon S3
C. Configure an interface endpoint for traffic destined to Amazon S3
D. Configure Amazon CloudFront for the S3 bucket storing the images

Correct Answer: B
Explanation:
https://docs.aws.amazon.com/AmazonS3/latest/userguide/privatelink-interface-endpoints.html#types-of-vpc-endpoints-for-s3

A gateway endpoint is a gateway that is a target for a route in your route table used for traffic destined to either Amazon S3 or DynamoDB. There is no charge for using gateway endpoints. https://docs.aws.amazon.com/vpc/latest/privatelink/vpc-endpoints.html

QUESTION 191
A company runs a web-based portal that provides users with global breaking news local alerts, and weather updates. The portal delivers each user a personalized view by using a mixture of static and dynamic content. Content is served over HTTPS through an API server running on an Amazon EC2 instance behind an Application Load Balancer (ALB). The company wants the portal to provide this content to its users across the world as quickly as possible. How should a solutions architect design the application to ensure the LEAST amount of latency for all users?

A. Deploy the application stack in a single AWS Region Use Amazon CloudFront to serve all static and dynamic content by specifying the ALB as an origin
B. Deploy the application stack in two AWS Regions Use an Amazon Route 53 latency routing policy to serve all content from the ALB in the closest Region
C. Deploy the application stack in a single AWS Region Use Amazon CloudFront to serve the static content Serve the dynamic content directly from the ALB
D. Deploy the application stack in two AWS Regions Use an Amazon Route 53 geolocation routing policy to serve all content from the ALB in the closest Region

Correct Answer: B

QUESTION 192
A company has data stored in an on-premises data center that is used by several on-premises applications. The company wants to maintain its existing application environment and be able to use AWS services for data analytics and future visualizations. Which storage service should a solutions architect recommend?

A. Amazon Redshift
B. AWS Storage Gateway for files
C. Amazon Elastic Block Store (Amazon EBS)
D. Amazon Elastic File System (Amazon EFS)

Correct Answer: B

QUESTION 193
A company has multiple AWS accounts for various departments. One of the departments wants to share an Amazon S3 bucket with all other departments. Which solution will require the LEAST amount of effort?

A. Enable cross-account S3 replication for the bucket
B. Create a pre-signed URL for the bucket and share it with other departments
C. Set the S3 bucket policy to allow cross-account access to other departments
D. Create IAM users for each of the departments and configure a read-only IAM policy

Correct Answer: C

QUESTION 194
A media company is evaluating the possibility ot moving rts systems to the AWS Cloud. The company needs at least 10 TB of storage with the maximum possible I/O performance for video processing. 300 TB of very durable storage for storing media content, and 900 TB of storage to meet requirements for archival media that is not in use anymore. Which set of services should a solutions architect recommend to meet these requirements?

A. Amazon EBS for maximum performance, Amazon S3 for durable data storage, and Amazon S3 Glacier for archival storage
B. Amazon EBS for maximum performance, Amazon EFS for durable data storage and Amazon S3 Glacier for archival storage
C. Amazon EC2 instance store for maximum performance. Amazon EFS for durable data storage and Amazon S3 for archival storage
D. Amazon EC2 Instance store for maximum performance. Amazon S3 for durable data storage, and Amazon S3 Glacier for archival storage

Correct Answer: A

QUESTION 195
A company has three AWS accounts Management Development and Production. These accounts use AWS services only in the us-east-1 Region. All accounts have a VPC with VPC Flow Logs configured to publish data to an Amazon S3 bucket in each separate account. For compliance reasons the company needs an ongoing method to aggregate all the VPC flow logs across all accounts into one destination S3 bucket in the Management account. What should a solutions architect do to meet these requirements with the LEAST operational overhead?

A. Add S3 Same-Region Replication rules in each S3 bucket that stores VPC flow logs to replicate objects to the destination S3 bucket. Configure the destination S3 bucket to allow objects to be received from the S3 buckets in other accounts.
B. Set up an IAM user in the Management account. Grant permissions to the IAM user to access the S3 buckets that contain the VPC flow logs Run the aws s3 sync command in the AWS CLI to copy the objects to the destination S3 bucket.
C. Use an S3 inventory report to specify which objects in the S3 buckets to copy. Perform an S3 batch operation to copy the objects into the destination S3 bucket in the Management account with a single request.
D. Create an AWS Lambda function in the Management account Grant S3. GET permissions on the source S3 buckets Grant S3. PUT permissions on the destination S3 bucket. Configure the function to invoke when objects are loaded in the source S3 buckets.

Correct Answer: A

QUESTION 196
A company has a website running on Amazon EC2 Instances across two Availability Zones. The company is expecting spikes in traffic on specific holidays and wants to provide a consistent user experience. How can a solutions architect meet this requirement?

A. Use step scaling
B. Use simple scaling
C. Use lifecycle hooks
D. Use scheduled scaling

Correct Answer: D

QUESTION 197
A company that operates a web application on premises is preparing to launch a newer version of the application on AWS. The company needs to route requests to either the AWS-hosted or the on-premises-hosted application based on the URL query string. The on-premises application Is not available from the Internet, and a VPN connection Is established between Amazon VPC and the company's data center. The company wants to use an Application Load Balancer (ALB) for this launch. Which solution meets these requirements?

A. Use two ALBs: one for on premises and one for the AWS resource. Add hosts to each target group of each ALB Route with Amazon Route 53 based on the URL query string.
B. Use Mo ALBs; one for on premises and one for the AWS resource. Add hosts to the target group of each ALB Create a software router on an EC2 instance based on the URL query string.
C. Use one ALB with two target groups one for the AWS resource and one for on premises. Add hosts to each target group of the ALB Configure listener rules based on the URL query string.
D. Use one ALB with two AWS Auto Scaling groups one for the AWS resource and one for on premises. Add hosts to each Auto Scaling group Route with Amazon Route 53 based on the URL query string.

Correct Answer: C

QUESTION 198
A company is hosting 60 TB of production-level data in an Amazon S3 bucket. A solutions architect needs to bring that data on premises for quarterly audit requirements. This export of data must be encrypted while in transit. The company has low network bandwidth in place between AWS and its on-premises data center. What should the solutions architect do to meet these requirements?

A. Deploy AWS Migration Hub with 90-day replication windows for data transfer
B. Deploy an AWS Storage Gateway volume gateway on AWS Enable a 90-day replication window to transfer the data
C. Deploy Amazon Elastic File System (Amazon EFS) with lifecycle policies enabled, on AWS Use it to transfer the data
D. Deploy an AWS Snowball device in the on-premises data center after completing an export Job request In the AWS Snowball console

Correct Answer: D

QUESTION 199
A company runs a website on Amazon EC2 instances behind an ELB Application Load Balancer Amazon Route 53 is used for the DNS. The company wants to set up a backup website with a

message including a phone number and email address that users can reach if the primary website is down. How should the company deploy this solution?

A. Use Amazon S3 website hosting for the backup website and a Route 53 failover routing policy
B. Use Amazon S3 website hosting for the backup website and a Route 53 latency routing policy
C. Deploy the application in another AWS Region and use ELB health checks for failover routing.
D. Deploy the application in another AWS Region and use server-side redirection on the primary website

Correct Answer: A
Explanation:
https://aws.amazon.com/blogs/aws/create-a-backup-website-using-route-53-dns-failover-and-s3-website-hosting/

QUESTION 200
A company is migrating Us applications to AWS Currently applications that run on premises generate hundreds of terabytes of data that is stored on a shared file system. The company Is running an analytics application in the cloud that runs hourly to generate Insights from this data. The company needs a solution to handle the ongoing data transfer between the on-premises shared file system and Amazon S3. The solution also must be able to handle occasional interruptions internet connectivity. Which solution should the company use for the data transfer to meet these requirements?

A. AWS DataSync
B. AWS Migration Hub
C. AWS Snowball Edge Storage Optimized
D. AWS Transfer for SFTP

Correct Answer: A
QUESTION 201
A disaster relief company is designing a new solution to analyze real-time csv data. The data is collected by a network of thousands of research stations met are distributed across the world. The data volume is consistent and constant, and the size of each data We is 512 KB. The company needs to stream the data and analyze the data in real time. Which combination of actions should a solutions architect take to meet these requirements? (Select TWO.)

A. Provision an appropriately sized Amazon Simple Queue Service (Amazon SOS) queue. Use the AWS SDK at the research stations to write the data into the SOS queue.
B. Provision an appropriately sized Amazon Kinesis Data Firehose delivery stream. Use the AWS SDK at the research stations to write the data into the delivery stream and then into an Amazon S3 bucket.
C. Provision an appropriately sized Amazon Kinesis Data Analytics application. Use the AWS CLI to configure Kinesis Data Analytics with SOL queries.
D. Provision an AWS Lambda function to process the data. Set up the BatchSize property on the Lambda event source.
E. Provision an AWS Lambda function to process the data. Set up an Amazon EventBridge (Amazon CloudWatch Events) cron expression rule to invoke the Lambda function.

Correct Answer: AD

QUESTION 202
A company needs the ability to analyze the log files of its proprietary application. The logs are stored in JSON format in an Amazon S3 bucket Queries will be simple and will run on-demand. A