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NEW QUESTION: 1

A company has designed an application where users provide small sets of textual data by calling a public API. The application runs on AWS and includes a public Amazon API Gateway API that forwards requests to an AWS Lambda function for processing. The Lambda function then writes the data to an Amazon Aurora Serverless database for consumption. The company is concerned that it could lose some user data if a Lambda function fails to process the request properly or reaches a concurrency limit.

What should a solutions architect recommend to resolve this concern?

- A.** Increase the memory for the Lambda function. Configure Aurora to use the Multi-AZ feature.
- B.** Split the existing Lambda function into two Lambda functions. Configure one function to receive API Gateway requests and put relevant items into Amazon Simple Queue Service (Amazon SQS). Configure the other function to read items from Amazon SQS and save the data into Aurora.
- C.** Split the existing Lambda function into two Lambda functions. Configure one function to receive API Gateway requests and put relevant items into Amazon Simple Notification Service (Amazon SNS). Configure the other function to read items from Amazon SNS and save the data into Aurora.
- D.** Configure the Lambda function to receive API Gateway requests and write relevant items to Amazon ElastiCache. Configure ElastiCache to save the data into Aurora.

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 2

A computer is reviewing a recent migration of a three-tier application to a VPC. The security team discover that the principle of least privilege is not being applied to Amazon EC2 security group ingress and egress rules between the application tiers.

What should a solution architect do to correct issue?

- A. Create security group rules using the instance ID as the source destination.
- B. Create security group rules using the security ID as the source or destination.
- C. Create security group rules using the VPC CIDR blocks as the source or destination
- D. Create security group rules using the subnet CIDR blocks as the source or destination

Answer: A (LEAVE A REPLY)

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/security-group-rules.html>

NEW QUESTION: 3

A gaming company hosts a browser-based application on AWS. The users of the application consume a large number of videos and images that are stored in Amazon S3. This content is the same for all users. The application has increased in popularity, and millions of users worldwide are accessing these media files. The company wants to provide the files to the users while reducing the load on the origin. Which solution meets these requirements MOST cost-effectively?

- A. Deploy an Amazon CloudFront web distribution in front of the S3 bucket
- B. Deploy an Amazon ElastiCache for Memcached instance in front of the web servers
- C. Deploy an Amazon ElastiCache for Redis instance in front of the web servers
- D. Deploy an AWS Global Accelerator accelerator in front of the web servers

Answer: (SHOW ANSWER)

NEW QUESTION: 4

A company is migrating to the AWS Cloud. A file server is the first workload to migrate. Users must be able to access the file share using the Server Message Block (SMB) protocol.

Which AWS managed service meets these requirements?

- A. Amazon S3
- B. Amazon EBS
- C. Amazon EC2
- D. Amazon FSx

Answer: D (LEAVE A REPLY)

NEW QUESTION: 5

A ride-sharing company stores historical service usage data as structured CSV data files in Amazon S3. A data analyst needs to perform SQL queries on this data. A solutions architect must recommend a solution that optimizes cost-effectiveness for the queries. Which solution meets these requirements?

- A. Create an Amazon Redshift cluster, import the data, and perform the queries.

- B.** Create an Amazon Aurora PostgreSQL DB cluster Import the data Perform the queries
- C.** Create an Amazon EMR cluster Load the data Perform the queries
- D.** Create an Amazon Athena database Associate the data in Amazon S3 Perform the queries

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 6

A solutions architect is designing a multi-Region disaster recovery solution (or an application that will provide public API access The application will use Amazon EC2 instances with a userdata script to load application code and an Amazon RDS for MySQL database The Recovery Time Objective (RTO) is 3 hours and the Recovery Point Objective (RPO) is 24 hours Which architecture would meet these requirements at the LOWEST cost/?

- A.** Use Amazon Route 53 for Region failover Deploy new EC2 instances with the userdata script for APIs, and create a snapshot of the RDS instance daily for a backup Replicate the snapshot to a backup Region
- B.** Use Amazon API Gateway for the public APIs and Region failover Deploy new EC2 instances with the userdata script Create a MySQL read replica of the RDS instance in a backup Region
- C.** Use an Application Load Balancer for Region failover Deploy new EC2 instances with the userdata script Deploy separate RDS instances in each Region
- D.** Use Amazon Route 53 for Region failover Deploy new EC2 instances with the userdata script Create a read replica of the RDS instance in a backup Region

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 7

A company recently implemented hybrid cloud connectivity using AWS Direct Connect and is migrating data to Amazon S3. The company is looking for a fully managed solution that will automate and accelerate the replication of data between the on-premises storage systems and AWS storage services.

Which solution should a solutions architect recommend to keep the data private?

- A.** Deploy an AWS Storage Gateway volume gateway for the on-premises environment. Configure it to store data locally, and asynchronously back up point-in-time snapshots to AWS.
- B.** Deploy an AWS DataSync agent for the on-premises environment. Schedule a batch job to replicate point-in-time snapshots to AWS.
- C.** Deploy an AWS DataSync agent for the on-premises environment Configure a sync job to replicate the data and connect it with an AWS service endpoint
- D.** Deploy an AWS Storage Gateway file gateway for the on-premises environment Configure it to store data locally, and asynchronously back up point-m-time snapshots to AWS.

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 8

A company has applications hosted on Amazon EC2 instances with IPv6 addresses. The applications must initiate communications with other external applications using the internet. However, the company's security policy states that any external service cannot initiate a connection to the EC2 instances. What should a solutions architect recommend to resolve this issue?

- A.** Create a virtual private gateway and make it the destination of the subnet's route table
- B.** Create a NAT gateway and make it the destination of the subnet's route table
- C.** Create an egress-only internet gateway and make it the destination of the subnet's route table
- D.** Create an internet gateway and make it the destination of the subnet's route table

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 9

A company is running a database on Amazon Aurora. The database is idle every evening. An application that performs extensive reads on the database experiences performance issues during morning hours when user traffic spikes. During these peak periods, the application receives timeout errors when reading from the database. The company does not have a dedicated operations team and needs an automated solution to address the performance issues. Which actions should a solutions architect take to automatically adjust to the increased read load on the database? (Select TWO)

- A.** Increase the instance size of the Aurora database
- B.** Migrate the database to Aurora Serverless
- C.** Configure Aurora Auto Scaling with Aurora Replicas.
- D.** Migrate the database to an Aurora multi-master cluster
- E.** Migrate the database to an Amazon RDS for MySQL Multi-AZ deployment

Answer: B,C ([LEAVE A REPLY](#))

NEW QUESTION: 10

A company's packaged application dynamically creates and returns single-use text files in response to user requests. The company is using Amazon CloudFront for distribution[^] but wants to further reduce data transfer costs. The company cannot modify the application's source code. What should a solutions architect do to reduce costs?

- A.** Enable caching on the CloudFront distribution to store generated files at the edge.
- B.** Use Lambda@Edge to compress the files as they are sent to users.
- C.** Use Amazon S3 multipart uploads to move the files to Amazon S3 before returning them to users
- D.** Enable Amazon S3 Transfer Acceleration to reduce the response times

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 11

A developer is creating an AWS Lambda function to perform dynamic updates to a database when an item is added to an Amazon Simple Queue Service (Amazon SQS) queue. A solutions architect must recommend a solution that tracks any usage of database credentials in AWS CloudTrail. The solution also must provide auditing capabilities.

Which solution will meet these requirements?

- A.** Use an AWS Key Management Service (AWS KMS) key store to store the credentials
- B.** Create an Amazon DynamoDB table to store the credentials. Encrypt the table
- C.** Store the encrypted credentials in a Lambda environment variable
- D.** Store the credentials as a secure string in AWS Systems Manager Parameter Store

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 12

A company hosts its multi-tier, public web application in the AWS Cloud. The web application runs on Amazon EC2 instances and its database runs on Amazon RDS. The company is anticipating a large increase in sales during an upcoming holiday weekend. A solutions architect needs to build a solution to analyze the performance of the web application with a granularity of no more than 2 minutes.

What should the solutions architect do to meet this requirement?

- A.** Enable detailed monitoring on all EC2 instances. Use Amazon CloudWatch metrics to perform further analysis.
- B.** Send Amazon CloudWatch logs to Amazon Redshift. Use Amazon QuickSight to perform further analysis.
- C.** Send EC2 logs to Amazon S3. Use Amazon Redshift to fetch logs from the S3 bucket to process raw data for further analysis with Amazon QuickSight.
- D.** Create an AWS Lambda function to fetch EC2 logs from Amazon CloudWatch Logs. Use Amazon CloudWatch metrics to perform further analysis.

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 13

A solutions architect needs to design a highly available application consisting of web, application, and database tiers. HTTPS content delivery should be as close to the edge as possible with the least delivery time. Which solution meets these requirements and is MOST secure?

- A.** Configure a public Application Load Balancer (ALB) with multiple redundant Amazon EC2 instances in public subnets. Configure Amazon CloudFront to deliver HTTPS content using the public ALB as the origin.
- B.** Configure a public Application Load Balancer with multiple redundant Amazon EC2 instances in public subnets. Configure Amazon CloudFront to deliver HTTPS content using the EC2 instances as the origin.

- C.** Configure a public Application Load Balancer with multiple redundant Amazon EC2 instances in private subnets Configure Amazon CloudFront to deliver HTTPS content using the EC2 instances as the origin
- D.** Configure a public Application Load Balancer (ALB) with multiple redundant Amazon EC2 instances in private subnets Configure Amazon CloudFront to deliver HTTPS content using the public ALB as the origin

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 14

A company uses on-premises servers to host its application. The company is running out of storage capacity. The applications use both block storage and NFS storage. The company needs a high-performing solution that supports local caching without re-architecting its existing applications Which combination of actions should a solutions architect take to meet these requirements'? (Select TWO.)

- A.** Deploy Amazon Elastic File System (Amazon EFS) volumes and mount them to on-premises servers
- B.** Deploy an AWS Storage Gateway volume gateway to replace the block storage
- C.** Deploy an AWS Storage Gateway Me gateway to replace NFS storage
- D.** Mount Amazon S3 as a file system to the on-premises servers
- E.** Deploy AWS Snowball Edge to provision NFS mounts to on-premises servers

Answer: B,C ([LEAVE A REPLY](#))

NEW QUESTION: 15

A company has an Amazon S3 bucket that contains confidential information in its production AWS account The company has turned on AWS CloudTrail for the account. The account sends a copy of its logs to Amazon CloudWatch Logs. The company has configured the S3 bucket to log read and write data events.

A company auditor discovers that some objects in the S3 bucket have been deleted A solutions architect must provide the auditor with information about who deleted the objects What should the solutions architect do to provide this information?

- A.** Use AWS Trusted Advisor to perform security checks for S3 write API calls that deleted the content
- B.** Create a CloudWatch Logs filter to extract the S3 write API calls against the S3 bucket
- C.** Query the CloudTrail logs with Amazon Athena to identify the S3 write API calls against the S3 bucket
- D.** Use AWS Config to track configuration changes on the S3 bucket Use these details to track the S3 write API calls that deleted the content

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 16

A company has deployed a multiplayer game for mobile devices. The game requires live location tracking of players based on latitude and longitude. The data store for the game must support rapid updates and retrieval of locations.

The game uses an Amazon RDS for PostgreSQL DB instance with read replicas to store the location data. During peak usage periods, the database is unable to maintain the performance that is needed for reading and writing updates. The game's user base is increasing rapidly.

What should a solutions architect do to improve the performance of the data tier?

A. Deploy Amazon DynamoDB Accelerator (DAX) in front of the existing DB instance.

Modify the game to use DAX.

B. Deploy an Amazon ElastiCache for Redis cluster in front of the existing DB instance.

Modify the game to use Redis.

C. Migrate from Amazon RDS to Amazon Elasticsearch Service (Amazon ES) with Kibana.

D. Take a snapshot of the existing DB instance. Restore the snapshot with Multi-AZ enabled.

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 17

An application development team is designing a microservice that will convert large images to smaller compressed images. When a user uploads an image through the web interface, the microservice should store the image in an Amazon S3 bucket, process and compress the image with an AWS Lambda function, and store the image in its compressed form in a different S3 bucket. A solutions architect needs to design a solution that uses durable, stateless components to process the images automatically. Which combination of actions will meet these requirements? (Select TWO)

A. Create an Amazon Simple Queue Service (Amazon SQS) queue. Configure the S3 bucket to send a notification to the SQS queue when an image is uploaded to the S3 bucket.

B. Configure the Lambda function to monitor the S3 bucket for new uploads. When an uploaded image is detected, write the file name to a text file in memory and use the text file to keep track of the images that were processed.

C. Configure an Amazon EventBridge (Amazon CloudWatch Events) event to monitor the S3 bucket When an image is uploaded send an alert to an Amazon Simple Notification Service (Amazon SNS) topic with the application owner's email address for further processing

D. Configure the Lambda function to use the Amazon Simple Queue Service (Amazon SQS) queue as the invocation source When the SQS message is successfully processed, delete the message in the queue

E. Launch an Amazon EC2 instance to monitor an Amazon Simple Queue Service (Amazon SQS) queue When items are added to the queue log the file name in a text file on the EC2 instance and invoke the Lambda function

Answer: A,D ([LEAVE A REPLY](#))

NEW QUESTION: 18

A company is developing a mobile game that streams score updates to a backend processor and then posts results on a leaderboard A solutions architect needs to design a solution that can handle large traffic spikes process the mobile game updates in order of receipt and store the processed updates in a highly available database The company also wants to minimize the management overhead required to maintain the solution What should the solutions architect do to meet these requirements?

A. Push score updates to an Amazon Simple Queue Service (Amazon SQS) queue Use a fleet of Amazon EC2 instances with Auto Scaling to process the updates in the SQS queue Store the processed updates in an Amazon RDS Multi-AZ DB instance

B. Push score updates to Amazon Kinesis Data Streams Process the updates with a fleet of Amazon EC2 instances set up for Auto Scaling Store the processed updates in Amazon Redshift

C. Push score updates to an Amazon Simple Notification Service (Amazon SNS) topic Subscribe an AWS Lambda function to the SNS topic to process the updates Store the processed updates in a SQL database running on Amazon EC2

D. Push score updates to Amazon Kinesis Data Streams Process the updates in Kinesis Data Streams with AWS Lambda Store the processed updates in Amazon DynamoDB

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 19

A company wants to perform an online migration of active datasets from an on-premises NFS server to an Amazon S3 bucket that is named DOC-EXAMPLE-BUCKET Data integrity verification is required during the transfer and at the end of the transfer. The data also must be encrypted A solutions architect is using an AWS solution to migrate the data. Which solution meets these requirements?

A. S3 Transfer Acceleration

B. AWS Snowball Edge Storage Optimized

C. AWS DataSync

D. AWS Storage Gateway file gateway

Answer: C (LEAVE A REPLY)

NEW QUESTION: 20

A company recently announced the deployment of its retail website to a global audience. The website runs on multiple Amazon EC2 instances behind an Elastic Load Balancer. The instances run in an Auto Scaling group across multiple Availability Zones. The company wants to provide its customers with different versions of content based on the devices that the customers use to access the website.

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

- A.** Configure a host header in a Network Load Balancer to forward traffic to different instances.
- B.** Configure Amazon CloudFront to cache multiple versions of the content.
- C.** Configure AWS Global Accelerator. Forward requests to a Network Load Balancer (NLB). Configure the NLB to set up host-based routing to different EC2 instances.
- D.** Configure a Lambda@Edge function to send specific objects to users based on the User-Agent header.
- E.** Configure AWS Global Accelerator. Forward requests to a Network Load Balancer (NLB). Configure the NLB to set up path-based routing to different EC2 instances.

Answer: A,C (LEAVE A REPLY)

NEW QUESTION: 21

A company is running an application on Amazon EC2 instances. Traffic to the workload increases substantially during business hours and decreases afterward. The CPU utilization of an EC2 instance is a strong indicator of end-user demand on the application. The company has configured an Auto Scaling group to have a minimum group size of 2 EC2 instances and a maximum group size of 10 EC2 instances.

The company is concerned that the current scaling policy that is associated with the Auto Scaling group might not be correct. The company must avoid over-provisioning EC2 instances and incurring unnecessary costs.

What should a solutions architect recommend to meet these requirements?

- A.** Configure AWS Auto Scaling to use a scaling plan that enables predictive scaling. Configure predictive scaling with a scaling mode of forecast and scale, and to enforce the maximum capacity setting during scaling.
- B.** Configure a step scaling policy to add 4 EC2 instances at 50% CPU utilization and add another 4 EC2 instances at 90% CPU utilization. Configure scale-in policies to perform the reverse and remove EC2 instances based on the two values.
- C.** Configure AWS Auto Scaling to have a desired capacity of 5 EC2 instances, and disable any existing scaling policies. Monitor the CPU utilization metric for 1 week. Then create dynamic scaling policies that are based on the observed values.

D. Configure Amazon EC2 Auto Scaling to use a scheduled scaling plan and launch an additional 8 EC2 instances during business hours.

Answer: [\(SHOW ANSWER\)](#)

NEW QUESTION: 22

A company is designing a new web service that will run on Amazon EC2 instances behind an Elastic Load Balancer. However, many of the web service clients can only reach IP addresses whitelisted on their firewalls.

What should a solutions architect recommend to meet the clients' needs?

- A.** An Application Load Balancer with an associated Elastic IP address
- B.** An A record in an Amazon Route 53 hosted zone pointing to an Elastic IP address
- C.** A Network Load Balancer with an associated Elastic IP address
- D.** An EC2 instance with a public IP address running as a proxy in front of the load balancer

Answer: **C** [\(LEAVE A REPLY\)](#)

NEW QUESTION: 23

A company develops web applications. As part of its development process, the company constantly launches and deletes Application Load Balancers (ALBs) in multiple AWS Regions.

The company wants to create an allow list on its firewall device. The allow list will contain the IP addresses of all the load balancers. A solutions architect needs a one-line, highly available solution that will accomplish that goal and will help reduce the number of IP addresses that the firewall needs to allow.

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

- A.** Create an AWS Lambda function to keep track of the IP addresses for all the ALBs in different Regions. Keep refreshing this list.
- B.** Set up a Network Load Balancer (NLB) with Elastic IP addresses. Register the private IP addresses of all the ALBs as targets for the NLB.
- C.** Launch AWS Global Accelerator. Create endpoints for each of the Regions that are in use. Register all the ALBs in the Regions to the corresponding endpoints.
- D.** Set up an Amazon EC2 instance. Assign an Elastic IP address to the EC2 instance. Configure the EC2 instance as a proxy to forward traffic to all the ALBs.

Answer: **C** [\(LEAVE A REPLY\)](#)

NEW QUESTION: 24

A company wants to use high performance computing (HPC) infrastructure on AWS for financial risk modelling. The company's HPC workloads run on Linux. Each HPC workflow runs on hundreds of Amazon EC2 Spot Instances, is short-lived, and generates thousands

of output files that are ultimately stored in persistent storage for analytics and long-term future use.

The company seeks a cloud storage solution that permits the copying of on-premises data to long-term persistent storage to make data available for processing by all EC2 instances. The solution should also be a high performance file system that is integrated with persistent storage to read and write datasets and output files Which combination of AWS services meets these requirements?

- A.** Amazon S3 Glacier integrated with Amazon Elastic Block Store (Amazon EBS)
- B.** Amazon FSx for Windows File Server integrated with Amazon S3
- C.** Amazon FSx for Lustre integrated with Amazon S3
- D.** Amazon S3 bucket with a VPC endpoint integrated with an Amazon Elastic Block Store (Amazon EBS) General Purpose SSD(gp2) volume

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 25

A company currently has 250 TB of backup files stored in Amazon S3 in a vendor's proprietary format. Using a Linux-based software application provided by the vendor, the company wants to retrieve files from Amazon S3, transform the files to an industry-standard format, and re-upload them to Amazon S3. The company wants to minimize the data transfer charges associated with this conversion What should a solutions architect do to accomplish this?

- A.** Use AWS Snowball Edge devices to export the data and install the conversion software onto the devices. Perform the data transformation and re-upload the files to Amazon S3 from the Snowball Edge devices
- B.** Launch an Amazon EC2 instance in the same Region as Amazon S3 and install the conversion software onto the instance. Perform the transformation and re-upload the files to Amazon S3 from the EC2 instance.
- C.** Install the conversion software as an Amazon S3 batch operation so the data is transformed without leaving Amazon S3
- D.** Install the conversion software onto an on-premises virtual machine. Perform the transformation and re-upload the files to Amazon S3 from the virtual machine.

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 26

At part of budget planning. management wants a report of AWS billed items listed by user. The data will be used to create department budgets. A solution architect needs to determine the most efficient way to obtain this report Information Which solution meets these requirement?

- A.** Run a query with Amazon Athena to generate the report.
- B.** Access the bill details from the Cost Explorer dashboard and download the bill.
- C.** Create a report in Cost Explorer and download the report

D. Modify a cost budget in AWS Budgets to alert with Amazon Simple Email Service (Amazon SES).

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 27

A company has a web server running on an Amazon EC2 instance in public subnet with an Elastic IP address. The default security group is assigned to the EC2 instances. The default network ACL has been modified to block all traffic. A solution architect needs to make the web server accessible from everywhere on port 443.

Which combination of steps will accomplish this task? (Select TWO)

A. Create a security group with a rule to allow TCP port 443 from source 0.0.0.0/0.

B. Update the network ACL to allow TCP port 443 from source 0.0.0.0/0.

C. Update the network ACL to allow inbound TCP port 443 from source 0.0.0.0/0 and outbound TCP port 32768-65535 to destination 0.0.0.0/0

D. Create a security group with a rule to allow TCP port 443 to destination 0.0.0.0/0.

E. Update the network ACL to allow inboundoutbound TCP port 443 from source 0.0.0.0/0 and to destination 0.0.0.0/0.

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 28

A solutions architect is designing the cloud architecture for a company that needs to host hundreds of machine learning models for its users. During startup, the models need to load up to 10 GB of data from Amazon S3 into memory, but they do not need disk access. Most of the models are used sporadically but the users expect all of them to be highly available and accessible with low latency.

Which solution meets the requirements and is MOST cost-effective?

A. Deploy models as Amazon Elastic Container Service (Amazon ECS) services behind a single Application Load Balancer with path-based routing where one path corresponds to each model

B. Deploy models as AWS Lambda functions behind a single Amazon API Gateway with path-based routing where one path corresponds to each model

C. Deploy models as Amazon Elastic Container Service (Amazon ECS) services behind an Application Load Balancer for each model

D. Deploy models as AWS Lambda functions behind an Amazon API Gateway for each model

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 29

A company is using Amazon Route 53 latency-based routing to route requests to its UDP-based application for users around the world. The application is hosted on redundant servers in the company's on-premises data centers in the United States, Asia, and Europe.

The company's compliance requirements state that the application must be hosted on premises. The company wants to improve the performance and availability of the application. What should a solutions architect do to meet these requirements?

A. Configure three Network Load Balancers (NLBs) in the three AWS Regions to address the on-premises endpoints. In Route 53, create a latency-based record that points to the three NLBs, and use it as an origin for an Amazon CloudFront distribution. Provide access to the application by using a CNAME that points to the CloudFront DNS.

B. Configure three Application Load Balancers (ALBs) in the three AWS Regions to address the on-premises endpoints. Create an accelerator by using AWS Global Accelerator and register the ALBs as its endpoints. Provide access to the application by using a CNAME that points to the accelerator DNS.

C. Configure three Application Load Balancers (ALBs) in the three AWS Regions to address the on-premises endpoints. In Route 53, create a latency-based record that points to the three ALBs and use it as an origin for an Amazon CloudFront distribution. Provide access to the application by using a CNAME that points to the CloudFront DNS.

D. Configure three Network Load Balancers (NLBs) in the three AWS Regions to address the on-premises endpoints. Create an accelerator by using AWS Global Accelerator, and register the NLBs as its endpoints. Provide access to the application by using a CNAME that points to the accelerator DNS.

Answer: D (LEAVE A REPLY)

NEW QUESTION: 30

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. 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.

B. 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.

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. 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.

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 31

A company provides an API to its users that automates inquiries for tax computations based on item prices. The company experiences a larger number of inquiries during the holiday season only that cause slower response times. A solutions architect needs to design a solution that is scalable and elastic.

What should the solution architect do to accomplish this?

A. Provide an API hosted on an Amazon EC2 Instance. The EC2 instance performs the required computations when the API request is made.

B. Design a REST API using Amazon API Gateway that accepts the item names. API Gateway passes item names to AWS Lambda for tax computations.

C. Create an Application Load Balancer that has two Amazon EC2 instances behind it. The EC2 instances will compute the tax on the received item names.

D. Design a REST API using Amazon API Gateway that connects with an API hosted on an Amazon EC2 instance. API Gateway accepts and passes the item names to the EC2 instance for tax

Answer: (SHOW ANSWER)

computations

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NEW QUESTION: 32

A company has hired an external vendor to perform work in the company's AWS account. The vendor uses an automated tool that is hosted in an AWS account that the vendor owns. The vendor does not have IAM access to the company's AWS account. How should a solutions architect grant this access to the vendor?

A. Create an IAM group in the company's account. Add the tool's IAM user from the vendor account to the group. Attach the appropriate IAM policies to the group for the permissions that the vendor requires.

- B.** Create an IAM role in the company's account to delegate access to the vendor's IAM role. Attach the appropriate IAM policies to the role for the permissions that the vendor requires.
- C.** Create an IAM user in the company's account with a password that meets the password complexity requirements. Attach the appropriate IAM policies to the user (or the permissions that the vendor requires).
- D.** Create a new identity provider by choosing "AWS account" as the provider type in the IAM console. Supply the vendor's AWS account ID and user name. Attach the appropriate IAM policies to the new provider for the permissions that the vendor requires.

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 33

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

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 34

A company has a corporate network on premises and has three VPCs in the AWS Cloud. The company has one VPC each for development, test, and, production. The company wants its system administrators to securely gain remote command-line access from the corporate network to Amazon EC2 instances in the VPCs.

Which solution meets these requirements MOST cost-effectively?

- A.** Create a new VPC. Establish a VPN connection to the new VPC. Configure peering connections between the new VPC and the existing VPCs. In the new VPC, create an EC2 bastion host to serve as a jump box to EC2 instances in the other VPCs. Use Remote Desktop Protocol (RDP) or SSH over the VPN connection to the bastion host.
- B.** Set up a VPN connection between the corporate network and each of the three VPCs by using AWS VPN. Use Remote Desktop Protocol (RDP) or SSH over the VPN connection to access the EC2 instances remotely.

C. Configure the EC2 instances to use an instance profile that trusts AWS Systems Manager Use Systems Manager Session Manager to gain console access to the EC2 instances

D. Create a new VPC Purchase and install a virtual router from AWS Marketplace Establish a VPN connection from the corporate network to this router. Establish another VPN connection from the 'outer to the other three VPCs Use Remote Desktop Protocol (RDP) or SSH over the VPN connection to access the EC2 instances remotely.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 35

A development team is collaborating with another company to create an integrate product. The other company needs to access an Amazon Simple Queue Service (Amazon SOS) queue that is contained in the development team's account. The other company wants to poll the queue without giving up its own account permissions to do so.

How should a solutions architect provide access to the 303 queue?

A. Create an Instance profile that provides the other company access to the SOS queue

B. Create an IAM policy that provides the other company access to the SOS queue.

C. Create an SOS access policy that provides the other company access to the SOS queue

D. Create an Amazon Simple Notification Service (Amazon SNS) aeons policy that provides the other company access to the SOS queue

Answer: **C** ([LEAVE A REPLY](#))

NEW QUESTION: 36

An ecommerce company is running a multi-tier application on AWS. The front-end and backend tiers run on Amazon EC2, and the database runs on Amazon RDS for MySQL. The backend tier communities with the RDS instance. There are frequent calls to return identical database from the database that are causing performance slowdowns.

Which action should be taken to improve the performance of the backend?

A. Implement Amazon ElasticCache to cache the large database.

B. Implement Amazon SNS to store the database calls.

C. Implement Amazon Kinesis Data Firehose to stream the calls to the database.

D. Implement an RDS for MySQL read replica to cache database calls.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 37

A company has a web application with sporadic usage patterns There is heavy usage at the beginning of each month moderate usage at the start of each week and unpredictable usage during the week The application consists of a web server and a MySQL database server running inside the data center The company would like to move the application to

the AWS Cloud and needs to select a cost-effective database platform that will not require database modifications Which solution will meet these requirements"

- A. Amazon DynamoDB
- B. Amazon RDS for MySQL
- C. MySQL-compatible Amazon Aurora Serverless
- D. MySQL deployed on Amazon EC2 in an Auto Scaling group

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 38

A company wants to migrate its accounting system from an on-premises data center to the AWS Cloud in a single AWS Region. Data security and an immutable audit log are the top priorities. The company must monitor all AWS activities for compliance auditing. The company has enabled AWS CloudTrail but wants to make sure it meets the requirements. Which actions should a solutions architect take to protect and secure CloudTrail? (Select TWO.)

- A. Enable the CloudTrail Proceeding Library.
- B. Enable logging of Insights events in CloudTrail.
- C. Create an AWS Config rule to monitor whether CloudTrail is configured to use server-side encryption with AWS KMS managed encryption keys (SSE-KMS)
- D. Enable CloudTrail log file validation.
- E. Enable custom logging from the on-premises resources

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 39

A solutions architect wants all new users to have specific complexity requirements and mandatory rotation periods for IAM user passwords. What should the solutions architect do to accomplish this?

- A. Set an overall password policy for the entire AWS account
- B. Set a password policy for each IAM user in the AWS account
- C. Use third-party vendor software to set password requirements
- D. Attach an Amazon CloudWatch rule to the Create_newuser event to set the password with the appropriate requirements

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 40

A company's web application is running on Amazon EC2 instances behind an application Load Balancer. The company changed its policy, which now requires the application to be accessed from one specific country only.

Which configuration will meet this requirement?

- A. Configure the security group on the Application Load Balancer
- B. Configure AWS WAF on the Application Load Balancer in a VPC

- C. Configure the network ACL for the subnet that contains the EC2 instances
- D. Configure the security group for the EC2 Instances

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 41

A company is migrating its 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 in internet connectivity. Which solution should the company use for the data transfer to meet these requirements?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 42

A company is running a web application on Amazon EC2 instances in an Auto Scaling group. The application uses a database that runs on an Amazon RDS for PostgreSQL DB instance. The application performs slowly as traffic increases, and the database experiences a heavy read load during periods of high traffic.

Which actions should a solutions architect take to resolve these performance issues? (Select TWO.)

- A. Enable auto scaling for the DB instance.
- B. Create a read replica for the DB instance. Configure the application to send read traffic to the read replica.
- C. Create an Amazon ElastiCache cluster. Configure the application to cache query results in the ElastiCache cluster.
- D. Configure the Auto Scaling group subnets to ensure that the EC2 instances are provisioned in the same Availability Zone as the DB instance.
- E. Enable Multi-AZ for the DB instance. Configure the application to send read traffic to the standby DB instance.

Answer: A,C ([LEAVE A REPLY](#))

NEW QUESTION: 43

A security team needs to enforce the rotation of all IAM users' access keys every 90 days. If an access key is found to be older, the key must be made inactive and removed. A solutions architect must create a solution that will check for and remediate any keys older than 90 days. Which solution meets these requirements with the LEAST operational effort?

- A.** Create an AWS Config rule to check for the key age Define an Amazon EventBridge (Amazon CloudWatch Events) rule to schedule an AWS Lambda function to remove the key
- B.** Create an AWS Config rule to check for the key age Configure the AWS Config rule to run an AWS Batch job to remove the key
- C.** Create an Amazon EventBridge (Amazon CloudWatch Events) rule to check for the key age Configure the rule to run an AWS Batch job to remove the key
- D.** Create an Amazon EventBridge (Amazon CloudWatch Events) rule to check for the key age Define an EventBridge (CloudWatch Events) rule to run an AWS Batch job to remove the key

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 44

A company wants to host a scalable web application on AWS The application will be accessed by users from different geographic regions of the world. Application users will be able to download and upload unique data up to gigabytes in size. The development team wants a cost-effective solution to minimize upload and download latency and maximize performance What should a solutions architect do to accomplish this?

- A.** Use Amazon S3 with Transfer Acceleration to host the application.
- B.** Use Amazon EC2 with Auto Scaling and Amazon ElastiCache to host the application
- C.** Use Amazon EC2 with Auto Scaling and Amazon CloudFront to host the application
- D.** Use Amazon S3 with CacheControl headers to host the application.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 45

A company has a financial application that produces reports. The reports average 50 KB in size and are stored in Amazon S3. The reports are frequently accessed during the first week after production and must be stored for several years The reports must be retrievable within 6 hours Which solution meets these requirements MOST cost-effectively?

- A.** Use S3 Standard Use an S3 Lifecycle rule to transition the reports to S3 Glacier after 7 days.
- B.** Use S3 Intelligent-Tiering Configure S3 Intelligent-Tiering to transition the reports to S3 Standard-Infrequent Access (S3 Standard-IA) and S3 Glacier
- C.** Use S3 Standard Use an S3 Lifecycle rule to transition the reports to S3 Glacier Deep Archive after 7 days
- D.** Use S3 Standard Use an S3 Lifecycle rule to transition the reports to S3 Standard-Infrequent Access (S3 Standard-IA) after 7 days

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 46

An ecommerce company uses an Amazon Aurora DB cluster to store customer transactions. The company also maintains a separate Amazon DynamoDB table that contains item sales information. The company wants the DB cluster to invoke a recently deployed AWS Lambda function to update the DynamoDB table every time a row is inserted into the database. Which combination of steps should a solutions architect take to meet these requirements? (Select TWO.)

- A.** Ensure that the DB cluster has an IAM role that allows the DB cluster to invoke Lambda functions.
- B.** Modify the DB cluster to allow outbound communication to the Lambda function.
- C.** Modify the Lambda function to allow outbound communication to the DB cluster.
- D.** Modify the DB cluster to allow outbound communication to the DynamoDB table.
- E.** Ensure that the Lambda function has an IAM role that allows Lambda to invoke functions on the DB cluster.

Answer: D,E ([LEAVE A REPLY](#))

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NEW QUESTION: 47

A company uses Application Load Balancers (ALBs) in different AWS Regions. The ALBs receive inconsistent traffic that can spike and drop throughout the year. The company's networking team needs to allow the IP addresses of the ALBs in the on-premises firewall to enable connectivity. Which solution is the MOST scalable with minimal configuration changes?

- A.** Migrate all ALBs in different Regions to the Network Load Balancers (NLBs). Update the on-premises firewall's rule to allow the Elastic IP addresses of all the NLBs.
- B.** Write an AWS Lambda script to get the IP addresses of the ALBs in different Regions. Update the on-premises firewall's rule to allow the IP addresses of the ALBs.
- C.** Launch a Network Load Balancer (NLB) in one Region. Register the private IP addresses of the ALBs in different Regions with the NLB. Update the on-premises firewall's rule to allow the Elastic IP address attached to the NLB.
- D.** Launch AWS Global Accelerator. Register the ALBs in different Regions to the accelerator. Update the on-premises firewall's rule to allow static IP addresses associated with the accelerator.

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 48

A company has an AWS Lambda function that needs read access to an Amazon S3 bucket that is located in the same AWS account. Which solution will meet these requirement in the MOST secure manner?

- A. Apply an S3 bucket policy that grants read access to the S3 bucket
- B. Apply an IAM role to the Lambda function. Apply an IAM policy to the role to grant read access to the S3 bucket
- C. Embed an access key and a secret key in the Lambda function's code to grant the required IAM permissions for read access to the S3 bucket
- D. Apply an IAM role to the Lambda function. Apply an IAM policy to the role to grant read access to all S3 buckets in the account

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 49

A company is developing a serverless web application that gives users the ability to interact with real-time analytics from online games. The data from the games must be streamed in real time. The company needs a durable, low-latency database option for user data. The company does not know how many users will use the application. Any design considerations must provide response times of single-digit milliseconds as the application scales.

Which combination of AWS services will meet these requirements? (Select TWO.)

- A. Amazon RDS
- B. Amazon Kinesis
- C. Amazon DynamoDB
- D. AWS Global Accelerator
- E. Amazon CloudFront

Answer: C,E ([LEAVE A REPLY](#))

NEW QUESTION: 50

A company is running a multi-tier web application on premises. The web application is containerized and runs on a number of Linux hosts connected to a PostgreSQL database that contains user records. The operational overhead of maintaining the infrastructure and capacity planning is limiting the company's growth. A solutions architect must improve the application's infrastructure.

Which combination of actions should the solutions architect take to accomplish this? (Select TWO.)

- A. Set up Amazon ElastiCache between the web application and the PostgreSQL database.
- B. Migrate the web application to be hosted on Amazon EC2 instances.

- C.** Migrate the web application to be hosted on AWS Fargate with Amazon Elastic Container Service (Amazon ECS).
- D.** Migrate the PostgreSQL database to Amazon Aurora
- E.** Set up an Amazon CloudFront distribution for the web application content.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 51

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

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

Answer: **B** ([LEAVE A REPLY](#))

NEW QUESTION: 52

A solutions architect is designing the storage architecture for a new web application used for storing and viewing engineering drawings. All application components will be deployed on the AWS infrastructure.

The application design must support caching to minimize the amount of time that users wait for the engineering drawings to load. The application must be able to store petabytes of data.

Which combination of storage and caching should the solutions architect use?

- A.** Amazon Elastic Block Store (Amazon EBS) volumes with Amazon CloudFront
- B.** Amazon S3 Glacier with Amazon ElastiCache
- C.** AWS Storage Gateway with Amazon ElastiCache
- D.** Amazon S3 with Amazon CloudFront

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 53

A company hosts its product information webpages on AWS. The existing solution uses multiple Amazon EC2 instances behind an Application Load Balancer in an Auto Scaling group. The website also uses a custom DNS name and communicates with HTTPS only using a dedicated SSL certificate. The company is planning a new product launch and wants to be sure that users from around the world have the best possible experience on the new website. What should a solutions architect do to meet these requirements?

- A. Redesign the application to use AWS Elastic Beanstalk
- B. Redesign the application to use Amazon CloudFront
- C. Redesign the application to use a Network Load Balancer.
- D. Redesign the application to use Amazon S3 static website hosting

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 54

A company uses an application to present metrics from sporting events to the public. The application must scale quickly during live events and must store these metrics for long-term reporting purposes. The company's architecture includes the following:

- * Amazon EC2 instances that run in an Auto Scaling group in private subnets
- * A network Load Balancer that runs in public subnets
- * A MongoDB database cluster that runs across multiple EC2 instances

A solutions architect must implement a solution that minimizes operational overhead. The solution also must be able to scale automatically. What should the solutions architect set up to meet these requirements?

- A. EC2 instances that run MySQL
- B. Amazon Redshift
- C. An Amazon RDS for MySQL D6 instance
- D. An Amazon DynamoDB database

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 55

A company recently deployed a new auditing system to centralize information about operating system versions, patching, and installed software for Amazon EC2 instances. A solutions architect must ensure all instances provisioned through EC2 Auto Scaling groups successfully send reports to the auditing system as soon as they are launched and terminated. Which solution achieves these goals MOST efficiently?

- A. Run a custom script on the instance operating system to send data to the audit system. Configure the script to be invoked by the EC2 Auto Scaling group when the instance starts and is terminated.
- B. Use a scheduled AWS Lambda function and run a script remotely on all EC2 instances to send data to the audit system.

- C. Use an EC2 Auto Scaling launch configuration to run a custom script through user data to send data to the audit system when instances are launched and terminated
- D. Use EC2 Auto Scaling lifecycle hooks to run a custom script to send data to the audit system when instances are launched and terminated

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 56

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

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 57

A business application is hosted on Amazon EC2 and uses Amazon S3 for encrypted object storage. The chief information security officer has directed that no application traffic between the two services should traverse the public internet.

Which capability should the solutions architect use to meet the compliance requirements?

- A. Virtual private gateway
- B. Private subnet
- C. AWS Key Management Service (AWS KMS)
- D. VPC endpoint

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 58

A company plans to store sensitive user data on Amazon S3. Internal security compliance requirements 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 a master stored in AWS Management Service (AWS KMS)
- 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 customer-provided encryption keys.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 59

A company runs a fleet of web servers using an Amazon RDS for PostgreSQL DB instance. After a routine compliance check, the company sets a standard that requires a recovery point objective (RPO) of less than 1 second for all its production databases.

Which solution meets these requirements?

- A. Enable a Multi-AZ deployment for the DB Instance
- B. Configure the DB instance in one Availability Zone and create multiple read replicas in a separate Availability Zone
- C. Configure the DB instance in one Availability Zone, and configure AWS Database Migration Service (AWS DMS) change data capture (CDC) tasks
- D. Enable auto scaling for the DB instance in one Availability Zone.

Answer: A (LEAVE A REPLY)

NEW QUESTION: 60

A company used an AWS Direct Connect connection to copy 1 PB of data from a colocation facility to an Amazon S3 bucket in the us-east-1 Region. The company now wants to copy the data to another S3 bucket in the us-west-2 Region.

Which solution will meet this requirement?

- A. Use the S3 console to copy the data from the source S3 bucket to the target S3 bucket.
- B. Use S3 Transfer Acceleration and the S3 copy-object command to copy the data from the source S3 bucket to the target S3 bucket
- C. Use an AWS Snowball Edge Storage Optimized device to copy the data from the colocation facility to us-west-2
- D. Add an S3 Cross-Region Replication configuration to copy the data from the source S3 bucket to the target S3 bucket.

Answer: D (LEAVE A REPLY)

NEW QUESTION: 61

A company has a highly dynamic batch processing job that uses many Amazon EC2 instances to complete it. The job is stateless in nature, can be started and stopped at any given time with no negative impact, and typically takes upwards of 60 minutes total to complete. The company has asked a solutions architect to design a scalable and cost-effective solution that meets the requirements of the job.

What should the solutions architect recommend?

- A. Purchase EC2 Reserved Instances
- B. Implement EC2 Spot Instances
- C. Implement EC2 On-Demand Instances
- D. Implement the processing on AWS Lambda

Answer: B (LEAVE A REPLY)

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NEW QUESTION: 62

A solution architect is designing an application for a two-step order across. The first step is synchronous 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 exactly once and in the order in which they are received.

How should the solutions architect integrate these components?

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

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 63

A company has two VPCs named Management and Production. The Management VPC uses VPNs through a customer gateway to connect to a single device in the data center. The Production VPC uses a virtual private gateway with two attached AWS Direct Connect connections. The Management and Production VPCs both use a single VPC peering connection to allow communication between the applications.

What should a solutions architect do to mitigate any single point of failure in this architecture?

- A.** Add a second VPC peering connection between the Management VPC and the Production VPC.
- B.** Add a second set of VPNs to the Management VPC from a second customer gateway device.
- C.** Add a set of VPNs between the Management and Production VPCs.
- D.** Add a second virtual private gateway and attach it to the Management VPC.

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 64

A company needs guaranteed Amazon EC2 capacity in three specific Availability Zones in a specific AWS Region for an upcoming event that will last 1 week.

What should the company do to guarantee the EC2 capacity?

- A.** Create an On-Demand Capacity Reservation that specifies the Region and three Availability Zones needed
- B.** Create an On Demand Capacity Reservation that specifies the Region needed
- C.** Purchase Reserved instances that specify the Region and three Availability Zones needed
- D.** Purchase Reserved instances that specify the Region needed

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 65

A company is designing a shared storage solution for a gaming application that is hosted in the AWS Cloud. The company needs the ability to use SMB clients to access data. The solution must be fully managed.

Which AWS solution meets these requirements'?

- A.** Create an Amazon FSx for Windows File Server file system. Attach the file system to the origin server. Connect the application server to the file system.
- B.** Create an Amazon S3 bucket. Assign an IAM role to the application to grant access to the S3 bucket. Mount the S3 bucket to the application server.
- C.** Create an AWS DataSync task that shares the data as a mountable file system. Mount the file system to the application server.
- D.** Create an Amazon EC2 Windows instance. Install and configure a Windows file share role on the instance. Connect the application server to the file share.

Answer: **A** ([LEAVE A REPLY](#))

NEW QUESTION: 66

A company hosts a training site on a fleet of Amazon EC2 instances. The company anticipates that its new course, which consists of dozens of training videos on the site, will be extremely popular when it is released in 1 week. What should a solutions architect do to minimize the anticipated server load?

- A.** Store the videos in an Amazon S3 bucket. Create an AWS Storage Gateway file gateway to access the S3 bucket. Create a user data script for the web servers to mount the file gateway.
- B.** Store the videos in an Amazon S3 bucket. Create an Amazon CloudFront distribution with an origin access identity (OAI) of that S3 bucket. Restrict Amazon S3 access to the OAI.
- C.** Store the videos in Amazon Elastic File System (Amazon EFS). Create a user data script for the web servers to mount the EFS volume.
- D.** Store the videos in Amazon ElastiCache for Redis. Update the web servers to serve the videos using the ElastiCache API.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 67

A company's website is used to sell products to the public. The site runs on Amazon EC2 instances in an Auto Scaling group behind an Application Load Balancer (ALB). There is also an Amazon CloudFront distribution and AWS WAF is being used to protect against SQL injection attacks. The ALB is the origin for the CloudFront distribution. A recent review of security logs revealed an external malicious IP that needs to be blocked from accessing the website. What should a solutions architect do to protect the application?

- A.** Modify the configuration of AWS WAF to add an IP match condition to block the malicious IP address
- B.** Modify the security groups for the EC2 instances in the target groups behind the ALB to deny the malicious IP address
- C.** Modify the network ACL on the CloudFront distribution to add a deny rule for the malicious IP address
- D.** Modify the network ACL for the EC2 instances in the target groups behind the ALB to deny the malicious IP address

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 68

A company is running a multi-tier web application on AWS. The application runs its database on Amazon Aurora MySQL. The application and database tiers are in the us-east-1 Region.

A database administrator who monitors the Aurora DB cluster finds that an intermittent increase in read traffic is creating high CPU utilization on the read replica. The result is increased read latency for the application. The memory and disk utilization of the DB instance are stable throughout the event of increased latency.

What should a solutions architect do to improve the read scalability?

- A.** Create a cross-Region read replica
- B.** Reboot the DB cluster
- C.** Increase the provisioned read IOPS for the DB instance
- D.** Configure Aurora Auto Scaling for the read replica

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 69

A company runs its Infrastructure on AWS and has a registered base of 700,000 users for a document management application. The company intends to create a product that converts large PDF files to JPG image files. The PDF files average 5 MB in size. The company needs to store the original files and the converted files. A solutions architect must design a scalable solution to accommodate demand that will grow rapidly over time.

Which solution meets these requirements MOST cost-effectively?

- A.** Save the PDF files to Amazon S3. Configure an S3 PUT event to invoke an AWS Lambda function to convert the files to JPG format and store them back in Amazon S3.

B. Upload the .pdf files to an AWS Elastic Beanstalk application that includes Amazon EC2 instances, Amazon Elastic File System (Amazon EFS) storage, and an Auto Scaling group. Use a program in the EC2 instances to convert the file to jpg format Save the pdf files and the jpg files in the EBS store.

C. Save the pdf files to Amazon DynamoDB. Use the DynamoDB Streams feature to invoke an AWS Lambda function to convert the files to jpg format and store them back in DynamoDB

D. Upload the pdf files to an AWS Elastic Beanstalk application that includes Amazon EC2 instances. Amazon Elastic Block Store (Amazon EBS) storage and an Auto Scaling group. Use a program In the EC2 instances to convert the files to jpg format Save the .pdf files and the .jpg files In the EBS store.

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 70

A company uses an Amazon S3 bucket to store static images for its website. The company configured permissions to allow access to Amazon S3 objects by privileged users only.

What should a solutions architect do to protect against data loss? (Select TWO.)

A. Enable access logging on the S3 bucket.

B. Use MFA Delete to require multi-factor authentication to delete an object.

C. Enable server-side encryption on the S3 bucket.

D. Enable versioning on the S3 bucket

E. Configure an S3 lifecycle rule to transition objects to Amazon S3 Glacier.

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 71

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 FSx for Windows File Server

B. Migrate the file share to AWS Storage Gateway

C. Migrate the file share to Amazon Elastic File System (Amazon EFS)

D. Migrate the file share to Amazon RDS

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 72

The financial application at a company stores monthly reports in an Amazon S3 bucket.

The vice president of finance has mandated that all access to these reports be logged and

that any modifications to the log files be detected Which actions can a solutions architect take to meet these requirements?

- A.** Use S3 server access logging on the bucket that houses the reports with the read and write data events and log file validation options enabled
- B.** Use S3 server access logging on the bucket that houses the reports with the read and write management events and log file validation options enabled
- C.** Use AWS CloudTrail to create a new trail Configure the trail to log read and write data events on the S3 bucket that houses the reports Log these events to a new bucket and enable log file validation
- D.** Use AWS CloudTrail to create a new trail Configure the trail to log read and write management events on the S3 bucket that houses the reports Log these events to a new bucket, and enable log file validation.

Answer: C (LEAVE A REPLY)

<https://docs.aws.amazon.com/awscloudtrail/latest/userguide/logging-data-events-with-cloudtrail.html>

NEW QUESTION: 73

A solutions architect observes that a nightly batch processing job is automatically scaled up for 1 hour before the desired Amazon EC2 capacity is reached The peak capacity is the same every night and the batch jobs always start at 1 AM The solutions architect needs to find a cost-effective solution that will allow for the desired EC2 capacity to be reached quickly and allow the Auto Scaling group to scale down after the batch jobs are complete What should the solutions architect do to meet these requirements^

- A.** Increase the minimum capacity for the Auto Scaling group
- B.** Change the scaling policy to add more EC2 instances during each scaling operation.
- C.** Increase the maximum capacity for the Auto Scaling group
- D.** Configure scheduled scaling to scale up to the desired compute level

Answer: (SHOW ANSWER)

NEW QUESTION: 74

A company is hosting its website by using Amazon EC2 instances behind an Elastic Load balancer across multiple Availability Zones. The instances run in an EC2 Scaling group. The website uses Amazon Elastic Block Store (Amazon EBS) volume to store product manuals for users to download. The company updates the product content often, so new instances launched by the Auto Scaling group often have data. It can take up to 30 minutes for the new instances to receive all the updates. The updates also require the EBS volumes to be resized during business hours.

The company wants to ensure that the product manuals are always up to date on all instances and that the architecture adjusts quickly to increased user demand. A solutions architect needs to meet these requirements without causing the company to update its

application code or adjust its website What should the solutions architect do to accomplish this goal?

- A.** Store the product manuals in an EBS volume Mount that volume to the EC2 instances
- B.** Store the product manuals in an Amazon S3 bucket Redirect the downloads to this bucket
- C.** Store the product manuals in an Amazon Elastic File System (Amazon EFS) volume. Mount that volume to the EC2 instances
- D.** Store the product manuals in an Amazon S3 Standard-Infrequent Access (S3 Standard-IA) bucket. Redirect the downloads to this bucket

Answer: C (LEAVE A REPLY)

NEW QUESTION: 75

A startup company is using me AWS Cloud to develop a traffic control monitoring system for a large city The system must be highly available and must provide near-real-time results for residents and city officials even during peak events Gigabytes of data will come in daily from IoT devices that run at intersections and freeway ramps across the city The system must process the data sequentially to provide the correct timeline However results need to show only what has happened in the last 24 hours.

Which solution will meet these requirements MOST cost-effectively?

- A.** Deploy an Amazon Simple Queue Service (Amazon SQS) FIFO queue and an AWS Lambda function to process incoming data from the IoT devices and store the data in an Amazon RDS DB instance Build a web dashboard to display the data from the last 24 hours
- B.** Deploy Amazon Kinesis Data Firehose to accept incoming data from the IoT devices and write the data to Amazon S3 Build a web dashboard to display the data from the last 24 hours
- C.** Deploy an Amazon API Gateway API endpoint and an AWS Lambda function to process incoming data from the IoT devices and store the data in Amazon DynamoDB Build a web dashboard to display the data from the last 24 hours
- D.** Deploy an Amazon API Gateway API endpoint and an Amazon Simple Notification Service (Amazon SNS) topic to process incoming data from the IoT devices Write the data to Amazon Redshift Build a web dashboard to display the data from the last 24 hours

Answer: A (LEAVE A REPLY)

NEW QUESTION: 76

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 server-side redirection on the primary website
- D.** Deploy the application in another AWS Region and use ELB health checks for failover routing.

Answer: A ([LEAVE A REPLY](#))

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NEW QUESTION: 77

A company has a service that produces event data

a. The company wants to use AWS to process the event data as it is received. The data is written in a specific order that must be maintained throughout processing. The company wants to implement a solution that minimizes operational overhead.

How should a solutions architect accomplish this?

- A.** Create an Amazon Simple Queue Service (Amazon SQS) standard queue to hold messages. Set up an AWS Lambda function to process messages from the queue independently
- B.** Create an Amazon Simple Notification Service (Amazon SNS) topic to deliver notifications containing payloads to process. Configure an Amazon Simple Queue Service (Amazon SQS) queue as a subscriber.
- C.** Create an Amazon Simple Notification Service (Amazon SNS) topic to deliver notifications containing payloads to process. Configure an AWS Lambda function as a subscriber.
- D.** Create an Amazon Simple Queue Service (Amazon SQS) FIFO queue to hold messages. Set up an AWS Lambda function to process messages from the queue

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 78

An application runs on Amazon EC2 instances across multiple Availability Zones. The instances run in an Amazon EC2 Auto Scaling group behind an Application Load Balancer

The application performs best when the CPU utilization of the EC2 instances is at or near 40%.

What should a solutions architect do to maintain the desired performance across all instances in the group?

- A. Amazon DynamoDB global tables
- B. Amazon RDS for MySQL with a cross-Region snapshot copy
- C. Amazon RDS for MySQL with Multi-AZ enabled
- D. Use a simple scaling policy to dynam

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 79

A manufacturing company wants to implement predictive maintenance on its machinery equipment. The company will install thousands of IoT 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 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.
- B. 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.
- C. 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.
- 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.

Answer: (SHOW ANSWER)

NEW QUESTION: 80

A company has an Amazon S3 bucket that contains mission-critical data.

a. The company wants to ensure this data is protected from accidental deletion. The data should still be accessible, and a user should be able to delete the data internationally.

Which combination of steps should a solutions architect take to accomplish this? (Select TWO.)

- A. Enable versioning on the S3 bucket.
- B. Create a bucket policy on the S3 bucket.
- C. Enable default encryption on the S3 bucket.
- D. Create a lifecycle policy for the objects in the S3 bucket.
- E. Enable MFA Delete on the S3 bucket.

Answer: A,E ([LEAVE A REPLY](#))

NEW QUESTION: 81

A company has an application that uses Amazon Elastic File System (Amazon EFS) to store data. The files are 1 GB in size or larger and are accessed often only for the first few days after creation. The application data is shared across a cluster of Linux servers. The company wants to reduce storage costs for the application.

What should a solutions architect do to meet these requirements?

- A.** Move the files to Amazon S3 with S3 Lifecycle policies enabled. Rewrite the application to support mounting the S3 bucket.
- B.** Configure a lifecycle policy to move the files to the EFS Infrequent Access (IA) storage class after 7 days.
- C.** Move the files from Amazon EFS and store them locally on each Amazon EC2 instance.
- D.** Implement Amazon FSx and mount the network drive on each server.

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 82

A company uses a payment processing system that requires messages for a particular payment ID to be received in the same order that they were sent. Otherwise, the payments might be processed incorrectly.

Which actions should a solutions architect take to meet this requirement? (Select TWO.)

- A.** Write the messages to an Amazon ElastiCache for Memcached cluster with the payment ID as the key.
- B.** Write the messages to an Amazon DynamoDB table with the payment ID as the partition key.
- C.** Write the messages to an Amazon Simple Queue Service (Amazon SQS) queue. Set the message attribute to use the payment ID.
- D.** Write the messages to an Amazon Kinesis data stream with the payment ID as the partition key.
- E.** Write the messages to an Amazon Simple Queue Service (Amazon SQS) FIFO queue. Set the message group to use the payment ID.

Answer: B,E ([LEAVE A REPLY](#))

NEW QUESTION: 83

A company is migrating a NoSQL database cluster to Amazon EC2. The database automatically replicates data to maintain at least three copies of the data. I/O throughput of the servers is the highest priority.

Which instance type should a solutions architect recommend for the migration?

- A.** Storage optimized instances with instance store.
- B.** Burstable general purpose instances with an Amazon Elastic Block Store (Amazon EBS) volume.
- C.** Compute optimized instances with Amazon Elastic Block Store (Amazon EBS) optimization enabled.

D. Memory optimized instances with Amazon Elastic Block Store (Amazon EBS) optimization enabled

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 84

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: (SHOW ANSWER)

NEW QUESTION: 85

A company operates an e-commerce website on Amazon EC2 instances behind an Application Load Balancer (ALB) in an Auto Scaling group. The site is experiencing performance issues related to a high request rate from illegitimate external systems with changing IP addresses. The security team is worried about potential DDoS attacks against the website. The company must block the illegitimate incoming requests in a way that has a minimal impact on legitimate users.

What should a solutions architect recommend?

A. Deploy AWS WAF, associate it with the ALB, and configure a rate-limiting rule.

B. Deploy rules to the network ACLs associated with the ALB to block the incoming traffic.

C. Deploy Amazon GuardDuty and enable rate-limiting protection when configuring GuardDuty.

D. Deploy Amazon Inspector and associate it with the ALB.

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 86

Application developers have noticed that a production application is very slow when business reporting users run large production reports against the Amazon RDS instance backing the application. The CPU and memory utilization metrics for the RDS instance do not exceed 60% while the reporting queries are running. The business reporting users must be able to generate reports without affecting the application's performance.

Which action will accomplish this?

A. Create a read replica and connect the business reports to it.

B. Increase the size of the RDS instance.

C. Create a read replica and connect the application to it.

D. Enable multiple Availability Zones on the RDS instance.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 87

A company is planning to migrate a business-critical dataset to Amazon S3. The current solution design uses a single S3 bucket in the us-east-1 Region with versioning enabled to store the dataset. The company's disaster recovery policy states that all data must be in multiple AWS Regions.

How should a solutions architect design the S3 solution?

A. Create an additional S3 bucket with versioning in another Region and configure cross-origin resource sharing (CORS).

B. Create an additional S3 bucket in another Region and configure cross-Region replication.

C. Create an additional S3 bucket in another Region and configure cross-origin resource sharing (CORS).

D. Create an additional S3 bucket with versioning in another Region and configure cross-Region replication.

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 88

A company receives data from millions of users totalling about 1 TB each day. The company provides its users with usage reports going back 12 months. All usage data must be stored for at least 5 years to comply with regulatory and auditing requirements.

Which storage solution is MOST cost-effective?

- A.** Store the data in Amazon S3 Standard Set a lifecycle rule to transition the data to S3 Zone-Infrequent Access (S3 One Zones-IA) after 1 year. Set a lifecycle rule to delete the data after 5 years.
- B.** Store the data in Amazon Standard Set a lifecycle rule to transmission the data to S3 Standard-infrequency Access (S3 Standard-IA) after 1 year Set a lifecycle rule to delete the data after 5 years.
- C.** Store the data in Amazon S3 One Zone-Infrequent Access (S3 One Zone-IA) Set a lifecycle rule to transition the data to S3 Glacier after 1 year set the lifecycle rule to delete the data after 5 years.
- D.** Store the data in Amazon S3 Standard Set a lifecycle Set a lifecycle rule to transmission the data S3 Glacier Deep after 1 year. Set a lifecycle rule to data the data after 5 years.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 89

A meteorological startup company has a custom web application to sell weather data to its users online. The company uses Amazon DynamoDB to store is data and wants to bu4d a new service that sends an alert to the managers of four Internal teams every time a new weather event is recorded. The company does not want true new service to affect the performance of the current application What should a solutions architect do to meet these requirement with the LEAST amount of operational overhead?

- A.** Enable Amazon DynamoDB Streams on the table. Use triggers to write to a mingle Amazon Simple Notification Service (Amazon SNS) topic to which the teams can subscribe.
- B.** Add a custom attribute to each record to flag new items. Write a cron job that scans the table every minute for items that are new and notifies an Amazon Simple Queue Service (Amazon SOS) queue to which the teams can subscribe.
- C.** Have the current application publish a message to four Amazon Simple Notification Service (Amazon SNS) topics. Have each team subscribe to one topic.
- D.** Use DynamoDB transactions to write new event data to the table Configure the transactions to notify internal teams.

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 90

An application hosted on AWS is experiencing performance problems, and the application vendor wants to perform an analysis of the log file to troubleshoot further. The log file is stored on Amazon S3 and is 10GB in size. The application owner will make the log file available to the vendor for a limited time.

Whit it the MOST secure way to do this?

- A.** Create an IAM user for the vendor to provide access to the S3 bucket and tie application. Enforce multifactor authentication
- B.** Enable public read on the S3 object and provide the link to the vendor

- C. Generate a presigned URL and have the vendor download the log Me before it expiree
- D. Upload the lie to Amazon WorkDocs and share the public link with the vendor.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 91

A company recently migrated a legacy application from an on-premises data center to AWS. The application is running on an Amazon EC2 instance. The EC2 instance is deployed in a private subnet in a VPC without inbound internet access. The application support team requires SSH access to the operating system to perform periodic maintenance. Which solution provides secure access with the LEAST operational effort?

- A. Attach the AmazonSSMManagedInstanceCore 1AM policy to the EC2 instance role. Use AWS Systems Manager Session Manager to enable SSH connection.
- B. Deploy a bastion host in a public subnet. Allow SSH access to the bastion host from the internet. Update the EC2 instance security group inbound rules to allow access from the bastion host.
- C. Configure AWS Client VPN to access the VPC. Update the EC2 instance security group inbound rules to allow access from Client VPN.
- D. Configure AWS Site-to-Site VPN to access the VPC. Update the EC2 instance security group inbound rules to allow access from Site-to-Site VPN.

Answer: B ([LEAVE A REPLY](#))

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NEW QUESTION: 92

A company receives structured and semi-structured data from various sources once every day. A solutions architect needs to design a solution that leverages big data processing frameworks. The data should be accessible using SQL queries and business intelligence tools. What should the solutions architect recommend to build the MOST high-performing solution**?

- A. Use Amazon EC2 to process data and Amazon Elastic Block Store (Amazon EBS) to store data.
- B. Use Amazon Kinesis Data Analytics to process data and Amazon Elastic File System (Amazon EFS) to store data.
- C. Use AWS Glue to process data and Amazon S3 to store data.

D. Use Amazon EMR to process data and Amazon Redshift to store data

Answer: C (LEAVE A REPLY)

NEW QUESTION: 93

A company has an application that uses an Amazon DynamoDB table for storage. A solutions architect discovers that many requests to the table are not returning the latest data. The company's users have not reported any other issues with database performance. Latency is in an acceptable range.

Which design change should the solutions architect recommend?

A. Request eventually consistent reads for the table.

B. Add read replicas to the table.

B Use a global secondary index (GSI).

C. Request strongly consistent reads for the table

Answer: C (LEAVE A REPLY)

NEW QUESTION: 94

What should a solutions architect do to ensure that all objects uploaded to an Amazon S3 bucket are encrypted?

A. Update the bucket policy to deny if the PutObject does not have an s3 x-amz-acl header set

B. Update the bucket policy to deny if the PutObject does not have an s3:x-amz-acl header set to private.

C. Update the bucket policy to deny if the PutObject does not have an aws SecureTransport header set to true

D. Update the bucket policy to deny if the PutObject does not have an x-amz-server-side-encryption header set.

Answer: D (LEAVE A REPLY)

NEW QUESTION: 95

A company has two VPCs that are located in the us-west-2 Region within the same AWS account. The company needs to allow network traffic between these VPCs. Approximately 500 GB of data transfer will occur between the VPCs each month.

What is the MOST cost-effective solution to connect these VPCs'?

A. Implement AWS Transit Gateway to connect the VPCs. Update the route tables of each VPC to use the transit gateway for inter-VPC communication

B. Set up a 1 GB AWS Direct Connect connection between the VPCs. Update the route tables of each VPC to use the Direct Connect connection for inter-VPC communication.

C. Implement an AWS Site-to-Site VPN tunnel between the VPCs. Update the route tables of each VPC to use the VPN tunnel for inter-VPC communication

D. Set up a VPC peering connection between the VPCs. Update the route tables of each VPC to use the VPC peering connection for inter-VPC communication.

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 96

A company wants to share data that is collected from self-driving cars with the automobile community. The data will be made available from within an Amazon S3 bucket. The company wants to minimize its cost of making this data available to other AWS accounts. What should a solutions architect do to accomplish this goal?

- A.** Require that the files be accessible only with the use of the BitTorrent protocol.
- B.** Create an Amazon CloudFront distribution in front of the S3 bucket.
- C.** Create an S3 VPC endpoint for the bucket.
- D.** Configure the S3 bucket to be a Requester Pays bucket.

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 97

A healthcare computer stores highly sensitive records. Compliance requires that multiple copies be stored in different locations. Each record must be stored for 7 years. The company has a service level agreement (SLA) to provide records to government agencies immediately for the first 30 days and then within 4 hours of a request thereafter.

What should a solutions architect recommend?

- A.** Use Amazon S3 with cross-Region replication enabled. After 30 days, transition the data to Amazon S3 Glacier using lifecycle policy.
- B.** Use Amazon S3 with cross-origin resource sharing (CCRS) enabled. After 30 days, transition on the data to Amazon S3 Glacier Deep Archive using a lifecycle policy.
- C.** Use Amazon S3 with cross-origin replication enabled. After 30 days, transition the data to Amazon S3 Glacier Deep Archive a lifecycle policy.
- D.** Use Amazon S3 with cross-origin resource sharing (CCRS) enabled. After 30 days, transition on the data to Amazon S3 Glacier using a lifecycle policy.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 98

A company designed a stateless two-tier application that uses Amazon EC2 in a single Availability Zone and an Amazon RDS Multi-AZ DB instance. New company management wants to ensure the application is highly available.

What should a solutions architect do to meet this requirement?

- A.** Configure Amazon Route 53 rules to handle incoming requests and create a Multi-AZ Application Load Balancer.
- B.** Configure the application to take snapshots of the EC2 instances and send them to a different AWS Region
- C.** Configure the application to use Amazon Route 53 latency-based routing to feed requests to the application.

D. Configure the application to use Multi-AZ EC2 Auto Scaling and create an Application Load Balancer.

Answer: [\(SHOW ANSWER\)](#)

NEW QUESTION: 99

A news company that has reporters all over the world is hosting its broadcast system on AWS. The reporters send live broadcasts to the broadcast system. The reporters use software on their phones to send live streams through the Real Time Messaging Protocol (RTMP).

A solutions architect must design a solution that gives the reporters the ability to send the highest quality streams. The solution must provide accelerated TCP connections back to the broadcast system.

What should the solutions architect use to meet these requirements?

- A.** AWS Global Accelerator
- B.** Amazon CloudFront
- C.** AWS Client VPN
- D.** Amazon EC2 Instances and AWS Elastic IP addresses

Answer: **A** [\(LEAVE A REPLY\)](#)

NEW QUESTION: 100

A company is building a mobile app on AWS. The company wants to expand its reach to millions of users. The company needs to build a platform so that authorized users can watch the company's content on their mobile devices. What should a solutions architect recommend to meet these requirements?

- A.** Use Amazon CloudFront. Provide signed URLs to stream content.
- B.** Publish content to a public Amazon S3 bucket. Use AWS Key Management Service (AWS KMS) keys to stream content.
- C.** Set up IPsec VPN between the mobile app and the AWS environment to stream content.
- D.** Set up AWS Client VPN between the mobile app and the AWS environment to stream content.

Answer: **A** [\(LEAVE A REPLY\)](#)

NEW QUESTION: 101

A solutions architect is optimizing a website for an upcoming musical event. Videos of the performances will be streamed in real time and then will be available on demand. The event is expected to attract a global online audience. Which service will improve the performance of both the real-time and on-demand streaming?

- A.** AWS Global Accelerator
- B.** Amazon Route 53
- C.** Amazon S3 Transfer Acceleration
- D.** Amazon CloudFront

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 102

A company is running several business applications in three separate VPCs within the us-east-1 Region. The applications must be able to communicate between VPCs. The applications also must be able to consistently send hundreds of gigabytes of data each day to a latency-sensitive application that runs in a single on-premises data center. A solutions architect needs to design a network connectivity solution that maximizes cost-effectiveness.

Which solution meets these requirements?

- A.** Set up one AWS Direct Connect connection from the data center to AWS. Create a transit gateway, and attach each VPC to the transit gateway. Establish connectivity between the Direct Connect connection and the transit gateway.
- B.** Configure three AWS Site-to-Site VPN connections from the data center to AWS. Establish connectivity by configuring one VPN connection for each VPC.
- C.** Set up three AWS Direct Connect connections from the data center to a Direct Connect gateway in us-east-1. Establish connectivity by configuring each VPC to use one of the Direct Connect connections.
- D.** Launch a third-party virtual network appliance in each VPC. Establish an IPsec VPN tunnel between the data center and each virtual appliance.

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 103

A company has an ecommerce application that stores data in an on-premises SQL database. The company has decided to migrate this database to AWS. However, as part of the migration, the company wants to find a way to attain sub-millisecond responses to common read requests. A solutions architect knows that the increase in speed is paramount and that a small percentage of stale data returned in the database reads is acceptable.

What should the solutions architect recommend?

- A.** Build the database as a larger instance type.
- B.** Build a database cache using Amazon Elasticsearch Service (Amazon ES).
- C.** Build Amazon RDS read replicas.
- D.** Build a database cache using Amazon ElastiCache.

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 104

A company is designing a new application that runs in a VPC on Amazon EC2 instances. The application stores data in Amazon S3 and uses Amazon DynamoDB as its database. For compliance reasons, the company prohibits all traffic between the EC2 instances and

other AWS services from passing over the public internet What can a solutions architect do to meet this requirement?

- A. Configure a gateway VPC endpoint to DynamoDB Configure an interface VPC endpoint to Amazon S3
- B. Configure a gateway VPC endpoint to Amazon S3. Configure an interface VPC endpoint to DynamoDB.
- C. Configure gateway VPC endpoints to Amazon S3 and DynamoDB
- D. Configure interface VPC endpoints to Amazon S3 and DynamoDB

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 105

A company is creating an architecture for a mobile app that requires minimal latency for its users. The company's architecture consists of Amazon EC2 instances behind an Application Load Balancer running in an Auto Scaling group The EC2 instances connect to Amazon RDS Application beta testing showed there was a slowdown when reading the data However, the metrics indicate that the EC2 instances do not cross any CPU utilization thresholds How can this issue be addressed?

- A. Add read replicas for the RDS instances and direct read traffic to the replica
- B. Replace the Application Load Balancer with a Network Load Balancer.
- C. Add Multi-AZ support to the RDS instances and direct read traffic to the new EC2 instance
- D. Reduce the threshold for CPU utilization in the Auto Scaling group

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 106

A company has a custom application running on an Amazon EC2 instance that

- * Reads a large amount of data from Amazon S3
- * Performs a multi-stage analysis.

Writes the results to Amazon DynamoDB

The application writes a significant number of large, temporary files during the multi-stage analysis. The process performance depends on the temporary storage performance. What would be the fastest storage option for holding the temporary files?

- A. Multiple instance store volumes with software RAID 0.
- B. Multiple Amazon EFS volumes using the Network File System version 4.1 (NFSv4.1) protocol
- C. Multiple Amazon S3 buckets with Transfer Acceleration for storage
- D. Multiple Amazon EBS drives with Provisioned IOPS and EBS optimization

Answer: C ([LEAVE A REPLY](#))

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NEW QUESTION: 107

A company is using a fleet of Amazon EC2 instances to ingest data from on-premises data sources. The data is in JSON format and Ingestion rates can be as high as 1 MB/s. When an EC2 instance is rebooted, the data in-flight is lost. The company's data science team wants to query Ingested data In near-real time.

Which solution provides near-real -time data querying that is scalable with minimal data loss?

- A.** Store ingested data m an Amazon Elastic Block Store (Amazon EBS) volume Publish data to Amazon ElastiCache tor Red Subscribe to the Redis channel to query the data
- B.** Store ingested data m an EC2 Instance store Publish data to Amazon Kinesis Data Firehose with Amazon S3 as the destination. Use Amazon Athena to query the data.
- C.** Publish data to Amazon Kinesis Data Streams Use Kinesis data Analytics to query the data.
- D.** Publish data to Amazon Kinesis Data Firehose with Amazon Redshift as the destination Use Amazon Redshift to query the data

Answer: C (LEAVE A REPLY)

NEW QUESTION: 108

A company is hosting an application in its own data center The application uses Amazon S3 for data storage The application transfers several hundred terabytes of data every month to and from Amazon S3 The company needs to minimize the cost of this data transfer Which solution meets this requirement?

- A.** Create an FTPS server by using AWS Transfer Family. Configure the application to use the FTPS server to store and retrieve files
- B.** Create an AWS Storage Gateway file gateway Deploy the software appliance in the company's data center Configure the application to use the file gateway to store and retrieve files
- C.** Establish an AWS Site-to-Site VPN connection between the company's data center and a VPC in the AWS Region in use. Create a VPC endpoint for Amazon S3 in the VPC. Route traffic to Amazon S3 over the VPN connection to the S3 endpoint.
- D.** Establish an AWS Direct Connect connection between the AWS Region in use and the company's data center Route traffic to Amazon S3 over the Direct Connect connection

Answer: B (LEAVE A REPLY)

NEW QUESTION: 109

A company's legacy application is currently relying on a single-instance Amazon RDS MySQL database without encryption. Due to new compliance requirements all existing and new data in this database must be encrypted.

How should this be accomplished?

- A.** Create an RDS read replica with encryption at rest enabled Promote the read replica to master and switch the application over to the new master Delete the old RDS instance
- B.** Create an Amazon S3 bucket with server-side encryption enabled Move all the data to Amazon S3 Delete the RDS instance
- C.** Enable RDS Multi-AZ mode with encryption at rest enabled. Perform a failover to the standby instance to delete the original instance
- D.** Take a snapshot of the RDS instance. Create an encrypted copy of the snapshot. Restore the RDS instance from the encrypted snapshot.

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 110

An application uses an Amazon RDS MySQL DB instance The RDS database is becoming low on disk space A solutions architect wants to increase the disk space without downtime Which solution meets these requirements with the LEAST amount of effort?

- A.** Increase the RDS database instance size
- B.** Back up the RDS database increase the storage capacity restore the database and stop the previous instance
- C.** Change the RDS database instance storage type to Provisioned IOPS
- D.** Enable storage autoscaling in RDS

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 111

A solutions architect is designing the architecture for a software demonstration environment The environment will run on Amazon EC2 instances in an Auto Scaling group behind an Application Load Balancer (ALB) The system will experience significant increases in traffic during working hours but is not required to operate on weekends. Which combination of actions should the solutions architect take to ensure that the system can scale to meet demand? (Select TWO)

- A.** Use AWS Auto Scaling to scale the capacity of the VPC internet gateway
- B.** Use a target tracking scaling policy to scale the Auto Scaling group based on instance CPU utilization
- C.** Use AWS Auto Scaling to adjust the ALB capacity based on request rate
- D.** Use scheduled scaling to change the Auto Scaling group minimum, maximum, and desired capacity to zero for weekends Revert to the default values at the start of the week

E. Launch the EC2 instances in multiple AWS Regions to distribute the load across Regions

Answer: B,D ([LEAVE A REPLY](#))

NEW QUESTION: 112

A company is launching a new application that will be hosted on Amazon EC2 instances. A solutions architect needs to design a solution that does not allow public IPv4 access that originates from the internet. However, the solution must allow the EC2 instances to make outbound IPv4 internet requests.

The initial design proposal shows that the EC2 instances would be located in two private subnets across two Availability Zones. The entire architecture must be highly available. How should the solutions architect change the architecture to meet these requirements?

A. Deploy a NAT gateway in public subnets in both Availability Zones. Create and configure a shared route table for the private subnets.

B. Deploy a NAT gateway in public subnets in both Availability Zones. Create and configure one route table for each private subnet.

C. Deploy an egress-only internet gateway in public subnets in both Availability Zones. Create and configure one route table for each private subnet.

D. Deploy an internet gateway in public subnets in both Availability Zones. Create and configure a shared route table for the private subnets.

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 113

A company wants to use an AWS Region as a disaster recovery location for its on-premises infrastructure. The company has 10 TB of existing data and the on-premises data center has a 1Gbps internet connection. A solution architect must find a solution so the company can have its existing data on AWS in 72 hours without transmitting it using an unencrypted channel.

Which solution should the solutions architect select?

A. Establish a VPN connection between Amazon VPC and the company's data center

B. Send the initial 10 TB of data to AWS using FTP.

C. Establish an AWS Direct Connect connection between Amazon VPC and the company's data center

D. Send the initial 10 TB of data to AWS using AWS Snowball.

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 114

An online learning company is migrating to the AWS Cloud. The company maintains its student records in a PostgreSQL database. The company needs a solution in which its data is available and online across multiple AWS Regions at all times.

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

- A.** Migrate the PostgreSQL database to an Amazon RDS for PostgreSQL DB instance Set up DB snapshots to be copied to another Region.
- B.** Migrate the PostgreSQL database to an Amazon RDS for PostgreSQL DB instance Create a read replica in another Region
- C.** Migrate the PostgreSQL database to a PostgreSQL cluster on Amazon EC2 instances
- D.** Migrate the PostgreSQL database to an Amazon RDS for PostgreSQL DB instance with the Multi-AZ feature turned on

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 115

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 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.
- B.** Use AWS Budgets to create a budget report and compare 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 Cost Explorer's granular filtering feature to perform an in-depth analysis of EC2 costs based on instance types

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 116

A company has two applications: a sender application that sends messages with payloads to be processed and a processing application intended to receive the messages with payloads The company wants to implement an AWS service to handle messages between the two applications The sender application can send about 1,000 messages each hour The messages may take up to 2 days to be processed If the messages fail to process, they must be retained so that they do not impact the processing of any remaining messages. Which solution meets these requirements and is the MOST operationally efficient?

- A.** Set up an Amazon EC2 instance running a Redis database Configure both applications to use the instance Store process, and delete the messages., respectively
- B.** Integrate the sender and processor applications with an Amazon Simple Queue Service (Amazon SQS) queue Configure a dead-letter queue to collect the messages that failed to process

- C.** Subscribe the processing application to an Amazon Simple Notification Service (Amazon SNS) topic to receive notifications to process, integrate the sender application to write to the SNS topic.
- D.** Use an Amazon Kinesis data stream to receive the messages from the sender application. Integrate the processing application with the Kinesis Client Library (KCL).

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 117

A company is hosting multiple websites for several lines of business under its registered parent domain. Users accessing these websites will be routed to appropriate backend Amazon EC2 instances based on the subdomain. The websites host static webpages, images, and server-side scripts like PHP and JavaScript.

Some of the websites experience peak access during the first two hours of business with constant usage throughout the rest of the day. A solutions architect needs to design a solution that will automatically adjust capacity to these traffic patterns while keeping costs low.

Which combination of AWS services or features will meet these requirements? (Select TWO)

- A.** Application Load Balancer
- B.** AWS Batch
- C.** Network Load Balancer
- D.** Amazon S3 website hosting
- E.** Amazon EC2 Auto Scaling

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 118

A company's security team requests that network traffic be captured in VPC Flow Logs. The logs will be frequently accessed for 90 days and then accessed intermittently. What should a solutions architect do to meet these requirements when configuring the logs?

- A.** Use Amazon S3 as the target. Enable an S3 Lifecycle policy to transition the logs to S3 Standard-Infrequent Access (S3 Standard-IA) after 90 days.
- B.** Use Amazon CloudWatch as the target. Set the CloudWatch log group with an expiration of 90 days.
- C.** Use AWS CloudTrail as the target. Configure CloudTrail to save to an Amazon S3 bucket, and enable S3 Intelligent-Tiering.
- D.** Use Amazon Kinesis as the target. Configure the Kinesis stream to always retain the logs for 90 days.

Answer: **A** ([LEAVE A REPLY](#))

NEW QUESTION: 119

A recent analysis of a company's IT expenses highlights the need to reduce backup costs. The company's chief information officer wants to simplify the on-premises backup infrastructure and reduce costs by eliminating the use of physical backup tapes. The company must preserve the existing investment in the on-premises backup applications and workflows. What should a solutions architect recommend?"

- A.** Set up AWS Storage Gateway to connect with the backup applications using the iSCSI-virtual tape library (VTL) interface
- B.** Set up AWS Storage Gateway to connect with the backup applications using the NFS interface
- C.** Set up an Amazon EFS file system that connects with the backup applications using the iSCSI interface
- D.** Set up an Amazon EFS file system that connects with the backup applications using the NFS interface

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 120

A company is using AWS to design a web application that will process insurance quotes. Users will request quotes from the application. Quotes must be separated by quote type, must be responded to within 24 hours, and must not get lost. The solution must maximize operational efficiency and must minimize maintenance. Which solution meets these requirements?

- A.** Create multiple Amazon Kinesis Data Firehose delivery streams based on the quote type to deliver data streams to an Amazon Elasticsearch Service (Amazon ES) cluster. Configure the application to send messages to the proper delivery stream. Configure each backend group of application servers to search for the messages from Amazon ES and process them accordingly.
- B.** Create multiple Amazon Kinesis data streams based on the quote type. Configure the web application to send messages to the proper data stream. Configure each backend group of application servers to use the Kinesis Client Library (KCL) to pull messages from its own data stream.
- C.** Create a single Amazon Simple Notification Service (Amazon SNS) topic. Subscribe Amazon Simple Queue Service (Amazon SQS) queues to the SNS topic. Configure SNS message filtering to publish messages to the proper SQS queue based on the quote type. Configure each backend application server to use its own SQS queue.
- D.** Create an AWS Lambda function and an Amazon Simple Notification Service (Amazon SNS) topic for each quote type. Subscribe the Lambda function to its associated SNS topic. Configure the application to publish requests for quotes to the appropriate SNS topic.

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 121

A company is using AWS Key Management Service (AWS KMS) customer master keys (CMKs) to encrypt AWS Lambda environment variables. A solutions architect needs to ensure that the required permissions are in place to decrypt and use the environment variables.

Which steps must the solutions architect take to implement the correct permissions? (Select TWO.)

- A. Add AWS KMS permissions in the Lambda resource policy
- B. Add AWS KMS permissions in the Lambda function policy.
- C. Allow the Lambda execution role in the AWS KMS key policy
- D. Allow the Lambda resource policy in the AWS KMS key policy.
- E. Add AWS KMS permissions in the Lambda execution role

Answer: B,E (LEAVE A REPLY)

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NEW QUESTION: 122

A company has a website hosted on AWS. The website is behind an Application Load Balancer (ALB) that is configured to handle HTTP and HTTPS separately. The company wants to forward all requests to the website so that the requests will use HTTPS.

What should a solutions architect do to meet this requirement?

- A. Replace the ALB with a Network Load Balancer configured to use Server Name Indication (SNI).
- B. Create a listener rule on the ALB to redirect HTTP traffic to HTTPS.
- C. Create a rule that replaces the HTTP in the URL with HTTPS.
- D. Update the ALB's network ACL to accept only HTTPS traffic

Answer: B (LEAVE A REPLY)

NEW QUESTION: 123

A company has an application that collects data from IoT sensors on automobiles. The data is streamed and stored in Amazon S3 through Amazon Kinesis Data Firehose. The data produces trillions of S3 objects each year. Each morning, the company uses the data from the previous 30 days to retrain a suite of machine learning (ML) models.

Four times each year, the company uses the data from the previous 12 months to perform analysis and train other ML models. The data must be available with minimal delay for up to 1 year. After 1 year, the data must be retained for archival purposes.

Which storage solution meets these requirements MOST cost-effectively?

- A.** Use the S3 Standard-Infrequent Access (S3 Standard-IA) storage class. Create an S3 Lifecycle policy to transition objects to S3 Glacier Deep Archive after 1 year.
- B.** Use the S3 Intelligent-Tiering storage class. Configure S3 Intelligent-Tiering to automatically move objects to S3 Glacier Deep Archive after 1 year.
- C.** Use the S3 Intelligent-Tiering storage class. Create an S3 Lifecycle policy to transition objects to S3 Glacier Deep Archive after 1 year.
- D.** Use the S3 Standard storage class. Create an S3 Lifecycle policy to transition objects to S3 Standard-Infrequent Access (S3 Standard-IA) after 30 days, and then to S3 Glacier Deep Archive after 1 year.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 124

A company runs an online marketplace web application on AWS. The application serves hundreds of thousands of users during peak hours. The company needs a scalable, near-real-time solution to share the details of millions of financial transactions with several other internal applications. Transactions also need to be processed to remove sensitive data before being stored in a document database for low-latency retrieval. What should a solutions architect recommend to meet these requirements?

- A.** Store the batched transactions data in Amazon S3 as files. Use AWS Lambda to process every file and remove sensitive data before updating the files in Amazon S3. The Lambda function then stores the data in Amazon DynamoDB. Other applications can consume transaction files stored in Amazon S3.
- B.** Stream the transactions data into Amazon Kinesis Data Streams. Use AWS Lambda integration to remove sensitive data from every transaction and then store the transactions data in Amazon DynamoDB. Other applications can consume the transactions data off the Kinesis data stream.
- C.** Store the transactions data into Amazon DynamoDB. Set up a rule in DynamoDB to remove sensitive data from every transaction upon write. Use DynamoDB Streams to share the transactions data with other applications.
- D.** Stream the transactions data into Amazon Kinesis Data Firehose to store data in Amazon DynamoDB and Amazon S3. Use AWS Lambda integration with Kinesis Data Firehose to remove sensitive data. Other applications can consume the data stored in Amazon S3.

Answer: **B** ([LEAVE A REPLY](#))

NEW QUESTION: 125

A company wants to migrate its MySQL database from on premises to AWS. The company recently experienced a database outage that significantly impacted the business. To ensure this does not happen again, the company wants a reliable database solution on AWS that minimizes data loss and stores every transaction on at least two nodes. Which solution meets these requirements?

- A.** Create an Amazon RDS MySQL DB instance and then create a read replica in a separate AWS Region that synchronously replicates the data.
- B.** Create an Amazon RDS DB instance with synchronous replication to three nodes in three Availability Zones.
- C.** Create an Amazon EC2 instance with a MySQL engine installed that triggers an AWS Lambda function to synchronously replicate the data to an Amazon RDS MySQL DB instance.
- D.** Create an Amazon RDS MySQL DB instance with Multi-AZ functionality enabled to synchronously replicate the data.

Answer: [\(SHOW ANSWER\)](#)

NEW QUESTION: 126

A company is designing a new web service that will run on Amazon EC2 instances behind an Elastic Load Balancer. However, many of the web service clients can only reach IP addresses whitelisted on their firewalls.

What should a solutions architect recommend to meet the clients' needs?

- A.** An Application Load Balancer with an associated Elastic IP address.
- B.** An EC2 instance with a public IP address running as a proxy in front of the load balancer.
- C.** An A record in an Amazon Route 53 hosted zone pointing to an Elastic IP address.
- D.** A Network Load Balancer with an associated Elastic IP address.

Answer: **D** [\(LEAVE A REPLY\)](#)

NEW QUESTION: 127

A company has an on-premises application that collects data and stores it to an on-premises NFS server. The company recently set up a 10 Gbps AWS Direct Connect connection. The company is running out of storage capacity on premises. The company needs to migrate the application data from on premises to the AWS Cloud while maintaining low-latency access to the data from the on-premises application. What should a solutions architect do to meet these requirements?

- A.** Create an AWS DataSync agent with the NFS server as the source location and an Amazon Elastic File System (Amazon EFS) file system as the destination for application data transfer. Connect the on-premises application to the EFS file system.
- B.** Attach an Amazon Elastic File System (Amazon EFS) file system to the NFS server and copy the application data to the EFS file system. Then connect the on-premises application to Amazon EFS.

C. Configure AWS Storage Gateway as a volume gateway Make the application data available to the on-premises application from the NFS server and with Amazon Elastic Block Store {Amazon EBS) snapshots

D. Deploy AWS Storage Gateway for the application data and use the file gateway to store the data in Amazon S3 Connect the on-premises application servers to the file gateway using NFS

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 128

A company has a popular gaming platform running on AWS. The application is sensitive to latency because latency can impact the user experience and Introduce unfair advantages to some prayers. The application la deployed In a very AWS Region. It runs on Amazon EC2 Instances Vial are part of Auto Scaling groups configured behind Application Load Balancers (ALBs) A solutions architect needs to implement a mechanism to monitor the hearth of the application and redirect traffic to healthy endpoints.

Which solution meets these requirements?

A. Configure an accelerator In AWS Global Accelerator Add a listens for the port that the application listens on. and attach it to a Regional endpoint m each Region Add the ALB as the endpoint

B. Create an Amazon CloudFront distribution and specify the ALB as the origin server Configure the cache behaviour to use origin cache headers Use AWS Lambda functions to optimize the traffic

C. Create an Amazon CloudFront distribution and specify Amazon S3 as the origin server. Configure tie cache behaviour to use origin cache headers Use AWS Lambda functions to optimize the traffic

D. Configure an Amazon DynamoDB database to serve as the data store for the application Create a DynamoDB Accelerator (DAX) cluster to act as the m-memory cache for DynamoDB hosting the

Answer: A ([LEAVE A REPLY](#))

application data

NEW QUESTION: 129

A company hosts its static website content from an Amazon S3 bucket in the us-east-1 Region Content is made available through an Amazon CloudFront origin pointing to that bucket Cross-Region replication is set up to create a second copy of the bucket in the ap-southeast-1 Region Management wants a solution that provides greater availability for the website Which combination of actions should a solutions architect take to increase availability'? (Select TWO.

A. Create a record in Amazon Route 53 pointing to the replica bucket

B. Create an additional CloudFront origin pointing to the ap-southeast-1 bucket

C. Add both buckets to the CloudFront origin

D. Configure failover routing in Amazon Route 53

E. Set up a CloudFront origin group with the us-east-1 bucket as the primary and the ap-southeast-1 bucket as the secondary

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 130

A solution architect has created two IAM policies. Policy1 and Policy2 . Both policies are attached to an IAM group.

```
Policy1
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Effect": "Allow",
      "Action": [
        "iam:Get*",
        "iam:List*",
        "kms:List*",
        "ec2:*",
        "ds:*",
        "logs:Get*",
        "logs:Describe*"
      ],
      "Resource": "*"
    }
  ]
}

Policy2
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Effect": "Deny",
      "Action": "ds:Delete*",
      "Resource": "*"
    }
  ]
}
```

A cloud engineer is added as an IAM user to the IAM group. Which action will the cloud engineer be able to perform?

A. Deleting Amazon EC2 instances

B. Deleting IAM users

C. Deleting logs from Amazon CloudWatch Logs

D. Deleting directories

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 131

A solutions architect is designing a solution to access a catalog of images and provide users with the ability to submit requests to customize images Image customization

parameters will be in every request that is sent to an Amazon API Gateway API. The solution will generate the customized images on demand. Users will receive a link that they can use to view or download their customized images. The solution must be highly available for viewing and customizing images. What should the solutions architect do to meet these requirements MOST cost effectively?

- A.** Use Amazon EC2 instances to manipulate the original images into the requested customizations. Store the original images in Amazon S3. Store the manipulated images in Amazon DynamoDB. Configure an Amazon CloudFront distribution with the S3 bucket as the origin.
- B.** Use AWS Lambda to manipulate the original images into the requested customization. Store the original and manipulated images in Amazon S3. Configure an Amazon CloudFront distribution with the S3 bucket as the origin.
- C.** Use AWS Lambda to manipulate the original images into the requested customizations. Store the original images in Amazon S3. Store the manipulated images in Amazon DynamoDB. Provision an Application Load Balancer and Amazon EC2 instances to serve the content.
- D.** Use Amazon EC2 instances to manipulate the original images into the requested customizations. Store the original and manipulated images in Amazon S3. Configure an Elastic Load Balancer in front of the EC2 instances.

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 132

A company is hosting a web application on AWS using a single Amazon EC2 instance that stores user-uploaded documents in an Amazon EBS volume. For better scalability and availability, the company duplicated the architecture and created a second EC2 instance and EBS volume in another Availability Zone placing both behind an Application Load Balancer. After completing this change, users reported that, each time they refreshed the website, they could see one subset of their documents or the other, but never all of the documents at the same time.

What should a solutions architect propose to ensure users see all of their documents at once?

- A.** Copy the data so both EBS volumes contain all the documents.
- B.** Configure the Application Load Balancer to send the request to both servers. Return each document from the correct server.
- C.** Configure the Application Load Balancer to direct a user to the server with the documents.
- D.** Copy the data from both EBS volumes to Amazon EFS. Modify the application to save new documents to Amazon EFS.

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 133

A company is running a two-tier ecommerce website using AWS services. The current architecture uses a public-facing Elastic Load Balancer that sends traffic to Amazon EC2 instances in a private subnet. The static content is hosted on EC2 instances and the dynamic content is retrieved from a MySQL database. The application is running in the United States. The company recently started selling to users in Europe and Australia. A solutions architect needs to design a solution so their international users have an improved browsing experience. Which solution is MOST cost-effective?

- A. Deploy the two-tier website in AWS Regions in Europe and Australia.
- B. Host the entire website on Amazon S3.
- C. Increase the number of public load balancers and EC2 instances.
- D. Use Amazon CloudFront and Amazon S3 to host static images.

Answer: ([SHOW ANSWER](#))

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