SAA-C03 Dumps

AWS Certified Solutions Architect - Associate (SAA-C03)

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NEW QUESTION 1
A company wants to run a gaming application on Amazon EC2 instances that are part of an Auto Scaling group in the AWS Cloud. The application will transmit data by using UDP packets. The company wants to ensure that the application can scale out and in as traffic increases and decreases.
What should a solutions architect do to meet these requirements?

A. Attach a Network Load Balancer to the Auto Scaling group
B. Attach an Application Load Balancer to the Auto Scaling group.
C. Deploy an Amazon Route 53 record set with a weighted policy to route traffic appropriately
D. Deploy a NAT instance that is configured with port forwarding to the EC2 instances in the Auto Scaling group.

Answer: B

NEW QUESTION 2
A company is developing a file-sharing application that will use an Amazon S3 bucket for storage. The company wants to serve all the files through an Amazon CloudFront distribution. The company does not want the files to be accessible through direct navigation to the S3 URL.
What should a solutions architect do to meet these requirements?

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

Answer: D

Explanation:
Explanation
https://aws.amazon.com/premiumsupport/knowledge-center/cloudfront-access-to-amazon-s3/
https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/private-content-restricting-access-to-s3

NEW QUESTION 3
A company runs an on-premises application that is powered by a MySQL database The company is migrating the application to AWS to Increase the application's elasticity and availability
The current architecture shows heavy read activity on the database during times of normal operation Every 4 hours the company's development team pulls a full export of the production database to populate a database in the staging environment During this period, users experience unacceptable application latency The development team is unable to use the staging environment until the procedure completes
A solutions architect must recommend replacement architecture that alleviates the application latency issue The replacement architecture also must give the development team the ability to continue using the staging environment without delay
Which solution meets these requirements?

A. Use Amazon Aurora MySQL with Multi-AZ Aurora Replicas for productio
B. Populate the staging database by implementing a backup and restore process that uses the mysqldump utility.
C. Use Amazon Aurora MySQL with Multi-AZ Aurora Replicas for production Use database cloning to create the staging database on-demand
D. Use Amazon RDS for MySQL with a Mufti AZ deployment and read replicas for production Use the standby instance tor the staging database.
E. Use Amazon RDS for MySQL with a Multi-AZ deployment and read replicas for productio
F. Populate the staging database by implementing a backup and restore process that uses the mysqldump utility.

Answer: B

NEW QUESTION 4
A company is migrating applications to AWS. The applications are deployed in different accounts. The company manages the accounts centrally by using AWS Organizations. The company's security team needs a single sign-on (SSO) solution across all the company's accounts. The company must continue managing the users and groups in its on-premises self-managed Microsoft Active Directory.
Which solution will meet these requirements?

A. Enable AWS Single Sign-On (AWS SSO) from the AWS SSO consol
B. Create a one-way forest trust or a one-way domain trust to connect the company's self-managed Microsoft Active Directory with AWS SSO by using AWS Directory Service for Microsoft Active Directory.
C. Enable AWS Single Sign-On (AWS SSO) from the AWS SSO consol
D. Create a two-way forest trust to connect the company's self-managed Microsoft Active Directory with AWS SSO by using AWS Directory Service for Microsoft Active Directory.
E. Use AWS Directory Servic
F. Create a two-way trust relationship with the company's self-managed Microsoft Active Directory.
G. Deploy an identity provider (IdP) on premise
H. Enable AWS Single Sign-On (AWS SSO) from the AWS SSO console.

Answer: A

NEW QUESTION 5
A company maintains a searchable repository of items on its website. The data is stored in an Amazon RDS for MySQL database table that contains more than 10 million rows The database has 2 TB of General Purpose SSD storage There are millions of updates against this data every day through the company's website
The company has noticed that some insert operations are taking 10 seconds or longer The company has determined that the database storage performance is the problem
Which solution addresses this performance issue?

A. Change the storage type to Provisioned IOPS SSD
B. Change the DB instance to a memory optimized instance class
C. Change the DB instance to a burstable performance instance class
D. Enable Multi-AZ RDS read replicas with MySQL native asynchronous replication.

Answer: A

Explanation:
Explanation
https://aws.amazon.com/ebs/features/
"Provisioned IOPS volumes are backed by solid-state drives (SSDs) and are the highest performance EBS volumes designed for your critical, I/O intensive database applications. These volumes are ideal for both IOPS-intensive and throughput-intensive workloads that require extremely low latency."

NEW QUESTION 6
A solutions architect must design a highly available infrastructure for a website. The website is powered by Windows web servers that run on Amazon EC2 instances. The solutions architect must implement a solution that can mitigate a large-scale DDoS attack that originates from thousands of IP addresses. Downtime is not acceptable for the website.
Which actions should the solutions architect take to protect the website from such an attack? (Select TWO.)

A. Use AWS Shield Advanced to stop the DDoS attack.
B. Configure Amazon GuardDuty to automatically block the attackers.
C. Configure the website to use Amazon CloudFront for both static and dynamic content.
D. Use an AWS Lambda function to automatically add attacker IP addresses to VPC network ACLs.
E. Use EC2 Spot Instances in an Auto Scaling group with a target tracking scaling policy that is set to 80% CPU utilization

Answer: AC

NEW QUESTION 7
A solutions architect is designing the architecture of a new application being deployed to the AWS Cloud. The application will run on Amazon EC2 On-Demand Instances and will automatically scale across multiple Availability Zones. The EC2 instances will scale up and down frequently throughout the day. An Application Load Balancer (ALB) will handle the load distribution. The architecture needs to support distributed session data management. The company is willing to make changes to code if needed.
What should the solutions architect do to ensure that the architecture supports distributed session data management?

A. Use Amazon ElastiCache to manage and store session data.
B. Use session affinity (sticky sessions) of the ALB to manage session data.
C. Use Session Manager from AWS Systems Manager to manage the session.
D. Use the GetSessionToken API operation in AWS Security Token Service (AWS STS) to manage the session

Answer: A

Explanation:
Explanation
https://aws.amazon.com/vi/caching/session-management/
In order to address scalability and to provide a shared data storage for sessions that can be accessible from any individual web server, you can abstract the HTTP sessions from the web servers themselves. A common solution to for this is to leverage an In-Memory Key/Value store such as Redis and Memcached.
ElastiCache offerings for In-Memory key/value stores include ElastiCache for Redis, which can support replication, and ElastiCache for Memcached which does not support replication.

NEW QUESTION 8
A company hosts an application on multiple Amazon EC2 instances The application processes messages from an Amazon SQS queue writes to an Amazon RDS table and deletes the message from the queue Occasional duplicate records are found in the RDS table. The SQS queue does not contain any duplicate messages.
What should a solutions architect do to ensure messages are being processed once only?

A. Use the CreateQueue API call to create a new queue
B. Use the Add Permission API call to add appropriate permissions
C. Use the ReceiveMessage API call to set an appropriate wail time
D. Use the ChangeMessageVisibility APi call to increase the visibility timeout

Answer: D

Explanation:
Explanation
The visibility timeout begins when Amazon SQS returns a message. During this time, the consumer processes and deletes the message. However, if the consumer fails before deleting the message and your system doesn't call the DeleteMessage action for that message before the visibility timeout expires, the message becomes visible to other consumers and the message is received again. If a message must be received only once, your consumer should delete it within the duration of the visibility timeout. https://docs.aws.amazon.com/AWSSimpleQueueService/latest/SQSDeveloperGuide/sqs-visibility-timeout.html
Keyword: SQS queue writes to an Amazon RDS From this, Option D best suite & other Options ruled out [Option A - You can't intruduce one more Queue in the existing one; Option B - only Permission & Option C - Only Retrieves Messages] FIF O queues are designed to never introduce duplicate messages. However, your message producer might introduce duplicates in certain scenarios: for example, if the producer sends a message, does not receive a response, and then resends the same message. Amazon SQS APIs provide deduplication functionality that prevents your message producer from sending duplicates. Any duplicates introduced by the message producer are removed within a 5-minute deduplication interval. For standard queues, you might occasionally receive a duplicate copy of a message (at-least- once delivery). If you use a standard queue, you must design your applications to be idempotent (that is, they must not be affected adversely when processing the same message more than once).

NEW QUESTION 9
A company is implementing a shared storage solution for a media application that is hosted m the AWS Cloud The company needs the ability to use SMB clients to access data The solution must he fully managed.

Which AWS solution meets these requirements?

A. Create an AWS Storage Gateway volume gatewa
B. Create a file share that uses the required client protocol Connect the application server to the tile share.
C. Create an AWS Storage Gateway tape gateway Configure (apes to use Amazon S3 Connect the application server lo the tape gateway
D. Create an Amazon EC2 Windows instance Install and configure a Windows file share role on the instanc
E. Connect the application server to the file share.
F. Create an Amazon FSx for Windows File Server tile system Attach the fie system to the origin server.Connect the application server to the tile system

Answer: D

NEW QUESTION 10
A company collects temperature, humidity, and atmospheric pressure data in cities across multiple
continents. The average volume of data collected per site each day is 500 GB. Each site has a highspeed
internet connection. The company's weather forecasting applications are based in a single Region and analyze the data daily.
What is the FASTEST way to aggregate data from all of these global sites?

A. Enable Amazon S3 Transfer Acceleration on the destination bucke
B. Use multipart uploads todirectly upload site data to the destination bucket.
C. Upload site data to an Amazon S3 bucket in the closest AWS Regio
D. Use S3 cross-Regionreplication to copy objects to the destination bucket.
E. Schedule AWS Snowball jobs daily to transfer data to the closest AWS Regio
F. Use S3 cross-Regionreplication to copy objects to the destination bucket.
G. Upload the data to an Amazon EC2 instance in the closest Regio
H. Store the data in an AmazonElastic Block Store (Amazon EBS) volum
I. Once a day take an EBS snapshot and copy it to thecentralized Regio
J. Restore the EBS volume in the centralized Region and run an analysis on the datadaily.

Answer: A

Explanation:
Explanation
You might want to use Transfer Acceleration on a bucket for various reasons, including the following:
You have customers that upload to a centralized bucket from all over the world.
You transfer gigabytes to terabytes of data on a regular basis across continents.
You are unable to utilize all of your available bandwidth over the Internet when uploading to Amazon
S3.
https://docs.aws.amazon.com/AmazonS3/latest/dev/transfer-acceleration.html
https://aws.amazon.com/s3/transferacceleration/#:~:text=S3%20Transfer%20Acceleration%20(S3TA)%20reduces,to%20S3%20for%20remote%20applications:
"Amazon S3 Transfer Acceleration can speed up content transfers to and from Amazon S3 by as much
as 50-500% for long-distance transfer of larger objects. Customers who have either web or mobile
applications with widespread users or applications hosted far away from their S3 bucket can experience long and variable upload and download speeds over the
Internet"
https://docs.aws.amazon.com/AmazonS3/latest/userguide/mpuoverview.html
"Improved throughput - You can upload parts in parallel to improve throughput."

NEW QUESTION 10
A company is launching a new application and will display application metrics on an Amazon CloudWatch dashboard. The company's product manager needs to access this dashboard periodically. The product manager does not have an AWS account. A solution architect must provide access to the product manager by following the principle of least privilege.
Which solution will meet these requirements?

A. Share the dashboard from the CloudWatch consol
B. Enter the product manager's email address, and complete the sharing step
C. Provide a shareable link for the dashboard to the product manager.
D. Create an IAM user specifically for the product manage
E. Attach the CloudWatch Read Only Access managed policy to the use
F. Share the new login credential with the product manage
G. Share the browser URL of the correct dashboard with the product manager.
H. Create an IAM user for the company's employees, Attach the View Only Access AWS managed policy to the IAM use
I. Share the new login credentials with the product manage
J. Ask the product manager to navigate to the CloudWatch console and locate the dashboard by name in the Dashboards section.
K. Deploy a bastion server in a public subne
L. When the product manager requires access to the dashboard, start the server and share the RDP credential
M. On the bastion server, ensure that the browser is configured to open the dashboard URL with cached AWS credentials that have appropriate permissions to view the dashboard.

Answer: A

NEW QUESTION 11
A development team needs to host a website that will be accessed by other teams. The website contents consist of HTML, CSS, client-side JavaScript, and images Which method is the MOST costeffective for hosting the website?

A. Containerize the website and host it in AWS Fargate.
B. Create an Amazon S3 bucket and host the website there
C. Deploy a web server on an Amazon EC2 instance to host the website.
D. Configure an Application Loa d Balancer with an AWS Lambda target that uses the Express js framework.

Answer: B

Explanation:
Explanation
In Static Websites, Web pages are returned by the server which are prebuilt.
They use simple languages such as HTML, CSS, or JavaScript.
There is no processing of content on the server (according to the user) in Static Websites. Web pages are returned by the server with no change therefore, static Websites are fast.
There is no interaction with databases.
Also, they are less costly as the host does not need to support server-side processing with different languages.
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In Dynamic Websites, Web pages are returned by the server which are processed during runtime means they are not prebuilt web pages but they are built during runtime according to the user's demand.
These use server-side scripting languages such as PHP, Node.js, ASP.NET and many more supported by the server.
So, they are slower than static websites but updates and interaction with databases are possible.

NEW QUESTION 13
A company is hosting a static website on Amazon S3 and is using Amazon Route 53 for DNS. The website is experiencing increased demand from around the world. The company must decrease latency for users who access the website.
Which solution meets these requirements MOST cost-effectively?

A. Replicate the S3 bucket that contains the website to all AWS Region
B. Add Route 53 geolocation routing entries.
C. Provision accelerators in AWS Global Accelerato
D. Associate the supplied IP addresses with the S3 bucke
E. Edit the Route 53 entries to point to the IP addresses of the accelerators.
F. Add an Amazon CloudFront distribution in front of the S3 bucke
G. Edit the Route 53 entries to point to the CloudFront distribution.
H. Enable S3 Transfer Acceleration on the bucke
I. Edit the Route 53 entries to point to the new endpoint.

Answer: C

NEW QUESTION 14
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 tne alerts m 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) duster Set up the Amazon ES cluster to take manual snapshots every day and delete data from the duster that is older than 14 days
D. Create an Amazon Simple Queue Service (Amazon SQS i standard queue to ingest the alerts and set the message retention period to 14 days Configure consumers to poll the SQS queue check the age of the message and analyze the message data as needed If the message is 14 days old the consumer should copy the message to an Amazon S3 bucket and delete the message from the SQS queue

Answer: A

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

NEW QUESTION 19
A company has an on-premises application that generates a large amount of time-sensitive data that is backed up to Amazon S3. The application has grown and there are user complaints about internet bandwidth limitations. A solutions architect needs to design a long-term solution that allows for both timely backups to Amazon S3 and with minimal impact on internet connectivity for internal users.
Which solution meets these requirements?

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

Answer: B

NEW QUESTION 21
A company has a data ingestion workflow that consists the following:
An Amazon Simple Notification Service (Amazon SNS) topic for notifications about new data deliveries An AWS Lambda function to process the data and record metadata The company observes that the ingestion workflow fails occasionally because of network connectivity issues. When such a failure occurs, the Lambda function does not ingest the corresponding data unless the company manually reruns the job.
Which combination of actions should a solutions architect take to ensure that the Lambda function ingests all data in the future? (Select TWO.)

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

D. Increase provisioned throughput for the Lambda function.
E. Modify the Lambda function to read from an Amazon Simple Queue Service (Amazon SQS) queue

Answer: BE

NEW QUESTION 22
A company has a production workload that runs on 1,000 Amazon EC2 Linux instances. The workload is powered by third-party software. The company needs to patch the third-party software on all EC2 instances as quickly as possible to remediate a critical security vulnerability.
What should a solutions architect do to meet these requirements?

A. Create an AWS Lambda function to apply the patch to all EC2 instances.
B. Configure AWS Systems Manager Patch Manager to apply the patch to all EC2 instances.
C. Schedule an AWS Systems Manager maintenance window to apply the patch to all EC2 instances.
D. Use AWS Systems Manager Run Command to run a custom command that applies the patch to all EC2 instances.

Answer: D

NEW QUESTION 27
A company wants to migrate its on-premises application to AWS. The application produces output files that vary in size from tens of gigabytes to hundreds of terabytes The application data must be stored in a standard file system structure
The company wants a solution that scales automatically, is highly available, and requires minimum operational overhead.
Which solution will meet these requirements?

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

Answer: C

NEW QUESTION 30
A company needs to keep user transaction data in an Amazon DynamoDB table. The company must retain the data for 7 years.
What is the MOST operationally efficient solution that meets these requirements?

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

Answer: C

NEW QUESTION 33
A company is running a high performance computing (HPC) workload on AWS across many Linux based Amazon EC2 instances. The company needs a shared storage system that is capable of sub-millisecond latencies, hundreds of Gbps of throughput and millions of IOPS. Users will store millions of small files.
Which solution meets these requirements?

A. Create an Amazon Elastic File System (Amazon EFS) file system Mount me file system on each of the EC2 instances
B. Create an Amazon S3 bucket Mount the S3 bucket on each of the EC2 instances
C. Ensure that the EC2 instances ate Amazon Elastic Block Store (Amazon EBS) optimized Mount Provisioned IOPS SSD (io2) EBS volumes with Multi-Attach on each instance
D. Create an Amazon FSx for Lustre file syste
E. Mount the file system on each of the EC2 instances

Answer: D

NEW QUESTION 35
A company collects data from thousands of remote devices by using a RESTful web services application that runs on an Amazon EC2 instance. The EC2 instance receives the raw data, transforms the raw data, and stores all the data in an Amazon S3 bucket. The number of remote devices will increase into the millions soon. The company needs a highly scalable solution that minimizes operational overhead.
Which combination of steps should a solutions architect take to meet these requirements9 (Select TWO.)

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

Answer: BE

NEW QUESTION 37

A company is expecting rapid growth in the near future. A solutions architect needs to configure existing users and grant permissions to new users on AWS The solutions architect has decided to create IAM groups The solutions architect will add the new users to IAM groups based on department
Which additional action is the MOST secure way to grant permissions to the new users?

A. Apply service control policies (SCPs) to manage access permissions
B. Create IAM roles that have least privilege permission Attach the roles lo the IAM groups
C. Create an IAM policy that grants least privilege permission Attach the policy to the IAM groups
D. Create IAM roles Associate the roles with a permissions boundary that defines the maximum permissions

Answer: C

NEW QUESTION 41
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 Amazon CloudFront
B. Redesign the application to use AWS Elastic Beanstalk
C. Redesign the application to use a Network Load Balancer.
D. Redesign the application to use Amazon S3 static website hosting

Answer: A

Explanation:
as CloudFront can help provide the best experience for global users. CloudFront integrates seamlessly with ALB and provides and option to use custom DNS and SSL certs.

NEW QUESTION 42
A company wants to use the AWS Cloud to make an existing application highly available and resilient. The current version of the application resides in the company's data center. The application recently experienced data loss after a database server crashed because of an unexpected power outage.
The company needs a solution that avoids any single points of failure. The solution must give the application the ability to scale to meet user demand.
Which solution will meet these requirements?

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

Answer: A

NEW QUESTION 43
A company is migrating its on-premises PostgreSQL database to Amazon Aurora PostgreSQL. The
on-premises database must remain online and accessible during the migration. The Aurora database must remain synchronized with the on-premises database.
Which combination of actions must a solutions architect take to meet these requirements? (Select TWO.)

A. Create an ongoing replication task.
B. Create a database backup of the on-premises database
C. Create an AWS Database Migration Service (AWS DMS) replication server
D. Convert the database schema by using the AWS Schema Conversion Tool (AWS SCT).
E. Create an Amazon EventBridge (Amazon CloudWatch Events) rule to monitor the database synchronization

Answer: CD

NEW QUESTION 45
A company's web application consists of multiple Amazon EC2 instances that run behind an Application Load Balancer in a VPC. An Amazon ROS for MySQL DB instance contains the data. The company needs the ability to automatically detect and respond to suspicious or unexpected behaviour in its AWS environment the company already has added AWS WAF to its architecture.
What should a solutions architect do next lo protect against threats?

A. Use Amazon GuardDuty to perform threat detectio
B. Configure Amazon EventBridge (Amazon CloudWatch Events) to filler for GuardDuty findings and to invoke pin AWS Lambda function to adjust the AWS WAF rules
C. Use AWS Firewall Manager to perform threat detection Configure Amazon EventBridge (Amazon CloudWatch Events) to filter for Firewall Manager findings and to invoke an AWS Lambda function to adjust the AWS WAF web ACL
D. Use Amazon Inspector to perform three! detection and to update the AWS WAT rules Create a VPC network ACL to limit access to the web application
E. Use Amazon Macie to perform throat detection and to update the AWS WAF rules Create a VPC network ACL to limit access to the web application

Answer: A

NEW QUESTION 46

An image hosting company uploads its large assets to Amazon S3 Standard buckets. The company uses multipart upload in parallel by using S3 APIs and overwrites if the same object is uploaded again. For the first 30 days after upload, the objects will be accessed frequently. The objects will be used less frequently after 30 days, but the access patterns for each object will be inconsistent. The company must optimize its S3 storage costs while maintaining high availability and resiliency of stored assets.
Which combination of actions should a solutions architect recommend to meet these requirements? (Select TWO.)

A. Move assets to S3 Intelligent-Tiering after 30 days.
B. Configure an S3 Lifecycle policy to clean up incomplete multipart uploads.
C. Configure an S3 Lifecycle policy to clean up expired object delete markers.
D. Move assets to S3 Standard-Infrequent Access (S3 Standard-IA) after 30 days.
E. Move assets to S3 One Zone-Infrequent Access (S3 One Zone-IA) after 30 days.

Answer: CD

NEW QUESTION 50
A company wants to build a scalable key management Infrastructure to support developers who need to encrypt data in their applications.
What should a solutions architect do to reduce the operational burden?

A. Use multifactor authentication (MFA) to protect the encryption keys.
B. Use AWS Key Management Service (AWS KMS) to protect the encryption keys
C. Use AWS Certificate Manager (ACM) to create, store, and assign the encryption keys
D. Use an IAM policy to limit the scope of users who have access permissions to protect the encryption keys

Answer: B

NEW QUESTION 53
A company's ecommerce website has unpredictable traffic and uses AWS Lambda functions to directly access a private Amazon RDS for PostgreSQL DB instance. The company wants to maintain predictable database performance and ensure that the Lambda invocations do not overload the database with too many connections.
What should a solutions architect do to meet these requirements?

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

Answer: B

NEW QUESTION 55
A company is running a critical business application on Amazon EC2 instances behind an Application Load Balancer The EC2 instances run in an Auto Scaling group and access an Amazon RDS DB instance
The design did not pass an operational review because the EC2 instances and the DB instance are all located in a single Availability Zone A solutions architect must update the design to use a second Availability Zone
Which solution will make the application highly available?

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

Answer: C

NEW QUESTION 58
A company is using a SQL database to store movie data that is publicly accessible. The database runs on an Amazon RDS Single-AZ DB instance A script runs queries at random intervals each day to record the number of new movies that have been added to the database. The script must report a final total during business hours The company's development team notices that the database performance is inadequate for development tasks when the script is running. A solutions architect must recommend a solution to resolve this issue. Which solution will meet this requirement with the LEAST operational overhead?

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

Answer: B

NEW QUESTION 62
A company has five organizational units (OUS) as part of its organization in AWS Organization. Each OU correlate to the five business that the company owns. The company research and development R&D business is separating from the company and will need its own organization. A solutions architect creates a separate new management account for this purpose.

A. Have the R&D AWS account be part of both organizations during the transition.
B. Invite the R&D AWS account to be part of the new organization after the R&D AWS account has left the prior organization.
C. Create a new R&D AWS account in the new organizatio
D. Migrate resources from the period R&D AWS account to thee new R&D AWS account

E. Have the R&D AWS account into the now organisatio
F. Make the now management account a member of the prior organisation

Answer: B

NEW QUESTION 67
A company has a web application that is based ornavaan^PH^Tnecompan^lanstomove the application from on premises to AWS The company needs the ability to test new site features frequently The company also needs a highly available and managed solution that requires minimum operational overhead.
Which solution will meet these requirements?

A. Create an Amazon S3 bucket Enable static web hosting on the S3 bucket Upload the static content to the S3 bucket Use AWS Lambda to process all dynamic content
B. Deploy the web application to an AWS Elastic Beanstalk environment Use URL swapping to switch between multiple Elastic Beanstalk environments for feature testing
C. Deploy the web application to Amazon EC2 instances that are configured with Java and PHP Use Auto Scaling groups and an Application Load Balancer to manage the website's availability.
D. Containerize the web application Deploy the web application to Amazon EC2 instances Use the AWS Load Balancer Controller to dynamically route traffic between containers that contain the new site features for testing

Answer: D

NEW QUESTION 70
A company has on-premises servers that run a relational database The database serves high-read traffic for users in different locations The company wants to migrate the database to AWS with the least amount of effort The database solution must support high availability and must not affect the company's current traffic flow
Which solution meets these requirements?

A. Use a database in Amazon RDS with Multi-AZ and at least one read replica.
B. Use a database in Amazon RDS with Multi-AZ and at least one standby replica.
C. Use databases that are hosted on multiple Amazon EC2 instances in different AWS Regions.
D. Use databases that are hosted on Amazon EC2 instances behind an Application Load Balancer in different Availability Zones

Answer: A

Explanation:
https://aws.amazon.com/blogs/database/implementing-a-disaster-recovery-strategy-with-amazon-rds/

NEW QUESTION 75
A company has an application that loads documents into an Amazon 53 bucket and converts the documents into another format. The application stores the converted documents m another S3 bucket and saves the document name and URLs in an Amazon DynamoOB table The DynamoOB entries are used during subsequent days to access the documents The company uses a DynamoOB Accelerator (DAX) cluster in front of the table
Recently, traffic to the application has increased. Document processing tasks are timing out during the scheduled DAX maintenance window. A solutions architect must ensure that the documents continue to load during the maintenance window
What should the solutions architect do to accomplish this goal?

A. Modify the application to write to the DAX cluster Configure the DAX cluster to write to the DynamoDB table when the maintenance window is complete
B. Enable Amazon DynamoDB Streams for the DynamoDB tabl
C. Modify the application to write to the stream Configure the stream to load the data when the maintenance window is complete.
D. Convert the application to an AWS Lambda function Configure the Lambda function runtime to be longer than the maintenance window Create an Amazon CloudWatch alarm to monitor Lambda timeouts
E. Modify the application to write the document name and URLs to an Amazon Simple Queue Service (Amazon SOS) queue Create an AWS Lambda function to read the SOS queue and write to DynamoDB.

Answer: C

NEW QUESTION 78
A company has two AWS accounts in the same AWS Region. One account is a publisher account, and the other account is a subscriber account Each account has its own Amazon S3 bucket.
An application puts media objects into the publisher account's S3 bucket The objects are encrypted with server-side encryption with customer-provided encryption keys (SSE-C). The company needs a solution that will automatically copy the objects to the subscriber's account's S3 bucket.
Which solution will meet these requirements with the LEAST operational overhead?

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

Answer: B

NEW QUESTION 81
A hospital wants to create digital copies for its large collection of historical written records. The hospital will continue to add hundreds of new documents each day. The hospital's data team will scan the documents and will upload the documents to the AWS Cloud.
A solutions architect must implement a solution to analyze the documents: extract the medical information, and store the documents so that an application can run SQL queries on the data The solution must maximize scalability and operational efficiency
Which combination of steps should the solutions architect take to meet these requirements? (Select TWO.)

A. Write the document information to an Amazon EC2 instance that runs a MySQL database
B. Write the document information to an Amazon S3 bucket Use Amazon Athena to query the data
C. Create an Auto Scaling group of Amazon EC2 instances to run a custom application that processes the scanned files and extracts the medical information.
D. Create an AWS Lambda function that runs when new documents are uploaded Use Amazon Rekognition to convert the documents to raw text Use Amazon Transcribe Medical to detect and extract relevant medical Information from the text.
E. Create an AWS Lambda function that runs when new documents are uploaded Use Amazon Textract to convert the documents to raw text Use Amazon Comprehend Medical to detect and extract relevant medical information from the text

Answer: AE

NEW QUESTION 84
A solutions architect is designing a new hybrid architecture to extend a company s on-premises infrastructure to AWS The company requires a highly available connection with consistent low latency to an AWS Region. The company needs to minimize costs and is willing to accept slower traffic if the primary connection fails.
What should the solutions architect do to meet these requirements?

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

Answer: A

NEW QUESTION 85
A company has a business system that generates hundreds of reports each day. The business system saves the reports to a network share in CSV format The company needs to store this data in the AWS Cloud in near-real time for analysis. Which solution will meet these requirements with the LEAST administrative overhead?

A. Use AWS DataSync to transfer the files to Amazon S3 Create a scheduled task that runs at the end of each day.
B. Create an Amazon S3 File Gateway Update the business system to use a new network share from the S3 File Gateway.
C. Use AWS DataSync to transfer the files to Amazon S3 Create an application that uses the DataSync API in the automation workflow.
D. Deploy an AWS Transfer for SFTP endpoint Create a script that checks for new files on the network share and uploads the new files by using SFTP.

Answer: B

NEW QUESTION 90
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 m 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 m the central account Create an IAM user in the central account for the auditor Attach an IAM policy providing full permissions to the bucket
C. 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 providingread-only permissions to the bucket
D. Configure an AWS Lambda function in the central account to copy the log files from the S3 bucket m each developer account Create an IAM user m the central account for the auditor Attach an IAM policy providing full permissions to the bucket

Answer: C

Explanation:
https://docs.aws.amazon.com/awscloudtrail/latest/userguide/cloudtrail-sharing-logs.html

NEW QUESTION 95
A company is planning on deploying a newly built application on AWS in a default VPC. The application will consist of a web layer and database layer. The web server was created in public subnets, and the MySQL database was created in private subnet. All subnets are created with the default network ACL settings, and the default security group in the VPC will be replaced with new custom security groups.

A. Create a database server security group with inbound and outbound rules for MySQL port 3306 traffic to and from anywhere (0.0.0.0/0).
B. Create a database server security group with an inbound rule for MySQL port 3300 and specify the source as a web server security group.
C. Create a web server security group within an inbound allow rule for HTTPS port 443 traffic from anywhere (0.0.0.0/0) and an inbound deny rule for IP range 182. 20.0.0/16
D. Create a web server security group with an inbound rule for HTTPS port 443 traffic from anywhere (0.0.0.0/0). Create network ACL inbound and outbound deny rules for IP range 182. 20.0.0/16
E. Create a web server security group with an inbound and outbound rules for HTTPS port 443 traffic to and from anywbere (0.0.0.0/0). Create a network ACL inbound deny rule for IP range 182. 20.0.0/16.

Answer: BD

NEW QUESTION 99
A company wants to build a data lake on AWS from data that is stored in an onpremises Oracle relational database. The data lake must receive ongoing updates from the on-premises database.
Which solution will meet these requirements with the LEAST operational overhead?

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

Answer: C

NEW QUESTION 102
A gaming company wants to launch a new internet-facing application in multiple AWS Regions. The application will use the TCP and UDP protocols for communication. The company needs to provide high availability and minimum latency for global users.
Which combination of actions should a solutions architect take to meet these requirements? (Select TWO.)

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

Answer: AC

NEW QUESTION 106
An online photo application lets users upload photos and perform image editing operations The application offers two classes of service free and paid Photos submitted by paid users are processed before those submitted by free users Photos are uploaded to Amazon S3 and the job information is sent to Amazon SQS.
Which configuration should a solutions architect recommend?

A. Use one SQS FIFO queue Assign a higher priority to the paid photos so they are processed first
B. Use two SQS FIFO queues: one for paid and one for free Set the free queue to use short polling and the paid queue to use long polling
C. Use two SQS standard queues one for paid and one for free Configure Amazon EC2 instances to prioritize polling for the paid queue over the free queue.
D. Use one SQS standard queu
E. Set the visibility timeout of the paid photos to zero Configure Amazon EC2 instances to prioritize visibility settings so paid photos are processed first

Answer: C

Explanation:
https://acloud.guru/forums/guru-of-the-week/discussion/-L7Be8rOao3InQxdQcXj/ https://aws.amazon.com/sqs/features/
Priority: Use separate queues to provide prioritization of work. https://aws.amazon.com/sqs/features/
https://aws.amazon.com/sqs/features/#:~:text=Priority%3A%20Use%20separate%20queues%20to%20provide%
https://docs.aws.amazon.com/AWSSimpleQueueService/latest/SQSDeveloperGuide/sqs-short-and-long-polling.

NEW QUESTION 107
A company wants to use Amazon S3 for the secondary copy of itdataset. The company would rarely need to access this copy. The storage solution's cost should be minimal.
Which storage solution meets these requirements?

A. S3 Standard
B. S3 Intelligent-Tiering
C. S3 Standard-Infrequent Access (S3 Standard-IA)
D. S3 One Zone-Infrequent Access (S3 One Zone-IA)

Answer: C

NEW QUESTION 108
A company runs us two-tier ecommerce website on AWS The web tier consists of a load balancer that sends traffic to Amazon EC2 instances The database tier uses an Amazon RDS D8 instance The EC2 instances and the ROS DB instance should not be exposed to the public internet The EC2 instances require internet access to complete payment processing of orders through a third-party web service The application must be highly available
Which combination of configuration options will meet these requirements? (Select TWO.)

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

Answer: AE

NEW QUESTION 110
A company wants to run applications in container in the AWS Cloud. Those applications arc stateless and can tolerate disruptions. What should a solutions architect do to meet those requirements?
What should a solution architect do to meet these requirements?

A. Use Spot Instances in an Amazon EC2 Auto Scaling group to run the application containers
B. Use Spot Instances in an Amazon Elastic Kubernetes Service (Amazon EKS) managed node group
C. Use On-Demand Instances in an Amazon EC2 Auto Scaling group to run the application containers
D. Use On-Demand Instances in an Amazon Elastic Kubernetes Service (Amazon EKS) managed node group.

Answer: A

NEW QUESTION 115
A company uses 50 TB of data for reporting. The company wants to move this data from on premises to AWS A custom application in the company's data center runs a weekly data transformation job. The company plans to pause the application until the data transfer is complete and needs to begin the transfer process as soon as possible.
The data center does not have any available network bandwidth for additional workloads A solutions architect must transfer the data and must configure the transformation job to continue to run in the AWS Cloud
Which solution will meet these requirements with the LEAST operational overhead?

A. Use AWS DataSync to move the data Create a custom transformation job by using AWS Glue
B. Order an AWS Snowcone device to move the data Deploy the transformation application to the device
C. Order an AWS Snowball Edge Storage Optimized devic
D. Copy the data to the devic
E. Create a customtransformation job by using AWS Glue
F. Order an AWS
G. Snowball Edge Storage Optimized device that includes Amazon EC2 compute Copy the data to the device Create a new EC2 instance on AWS to run the transformation application

Answer: D

NEW QUESTION 118
A company uses a legacy application to produce data in CSV format The legacy application stores the output data In Amazon S3 The company is deploying a new commercial off-the-shelf (COTS) application that can perform complex SQL queries to analyze data that is stored Amazon Redshift and Amazon S3 only However the COTS application cannot process the csv files that the legacy application produces The company cannot update the legacy application to produce data in another format The company needs to implement a solution so that the COTS application can use the data that the legacy applicator produces.
Which solution will meet these requirements with the LEAST operational overhead?

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

Answer: C

NEW QUESTION 120
A company that primarily runs its application servers on premises has deeded to migrate to AWS. The company wants to minimize its need to scale its Internet Small Computer Systems Interface (iSCSI) storage on premises. The company wants only its recently accessed data to remain stored locally
Which AWS solution should the company use to meet these requirements?

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

Answer: D

NEW QUESTION 121
A research company runs experiments that are powered by a simulation application and a visualization application. The simulation application runs on Linux and outputs intermediate data to an NFS share every 5 minutes. The visualization application is a Windows desktop application that displays the simulation output and requires an SMB file system.
The company maintains two synchronized tile systems. This strategy is causing data duplication and inefficient resource usage. The company needs to migrate the applications to AWS without making code changes to either application.
Which solution will meet these requirements?

A. Migrate both applications to AWS Lambda Create an Amazon S3 bucket to exchange data between the applications.
B. Migrate both applications to Amazon Elastic Container Service (Amazon ECS). Configure Amazon FSx File Gateway for storage.
C. Migrate the simulation application to Linux Amazon EC2 instance
D. Migrate the visualization application to Windows EC2 instance
E. Configure Amazon Simple Queue Service (Amazon SOS) to exchange data between the applications.
F. Migrate the simulation application to Linux Amazon EC2 instance
G. Migrate the visualization application to Windows EC2 instance
H. Configure Amazon FSx for NetApp ONTAP for storage.
I. B

Answer: E

NEW QUESTION 123
A solution architect is using an AWS CloudFormation template to deploy a three-tier web application. The web application consist of a web tier and an application that stores and retrieves user data in Amazon DynamoDB tables. The web and application tiers are hosted on Amazon EC2 instances, and the database tier is not publicly accessible. The application EC2 instances need to access the Dynamo tables Without exposing API credentials in the template.

What should the solution architect do to meet the requirements?

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

Answer: B

NEW QUESTION 128
A company has an application with a REST-based interface that allows data to be received in near-real time from a third-party vendor Once received the application processes and stores the data for further analysis. The application is running on Amazon EC2 instances.
The third-party vendor has received many 503 Service Unavailable Errors when sending data to the application When the data volume spikes, the compute capacity reaches its maximum limit and the application is unable to process all requests.
Which design should a solutions architect recommend to provide a more scalable solution?

A. Use Amazon Kinesis Data Streams to ingest the data Process the data using AWS Lambda function.
B. Use Amazon API Gateway on top of the existing applicatio
C. Create a usage plan with a quota limit for the third-party vendor
D. Use Amazon Simple Notification Service (Amazon SNS) to ingest the data Put the EC2 instances in an Auto Scaling group behind an Application Load Balancer
E. Repackage the application as a container Deploy the application using Amazon Elastic Container Service (Amazon ECS) using the EC2 launch type with an Auto Scaling group

Answer: A

NEW QUESTION 133
A company wants to direct its users to a backup static error page if the company's primary website is unavailable. The primary website's DNS records are hosted in Amazon Route 53. The domain is pointing to an Application Load Balancer (ALB). The company needs a solution that minimizes changes and infrastructure overhead.
Which solution will meet these requirements?

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

Answer: B

NEW QUESTION 137
A company that recently started using AWS establishes a Site-to-Site VPN between its on-premises data center and AWS. The company's security mandate states that traffic originating from on premises should stay within the company's private IP space when communicating with an Amazon Elastic Container Service (Amazon ECS) cluster that is hosting a sample web application.
Which solution meets this requirement?

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

Answer: A

NEW QUESTION 140
A company needs to retain application logs files for a critical application for 10 years. The application team regularly accesses logs from the past month for troubleshooting, but logs older than 1 month are rarely accessed. The application generates more than 10 TB of logs per month.
Which storage option meets these requirements MOST cost-effectively?

A. Store the logs in Amazon S3 Use AWS Backup lo move logs more than 1 month old to S3 Glacier Deep Archive
B. Store the logs in Amazon S3 Use S3 Lifecycle policies to move logs more than 1 month old to S3 Glacier Deep Archive
C. Store the logs in Amazon CloudWatch Logs Use AWS Backup to move logs more then 1 month old to S3 Glacier Deep Archive
D. Store the logs in Amazon CloudWatch Logs Use Amazon S3 Lifecycle policies to move logs more than 1 month old to S3 Glacier Deep Archive

Answer: B

NEW QUESTION 142
A company wants to manage Amazon Machine Images (AMIs). The company currently copies AMIs to the same AWS Region where the AMIs were created. The

company needs to design an application that captures AWS API calls and sends alerts whenever the Amazon EC2 CreateImage API operation is called within the company's account
Which solution will meet these requirements with the LEAST operational overhead?

A. Create an AWS Lambda function to query AWS CloudTrail logs and to send an alert when a CreateImage API call is detected
B. Configure AWS CloudTrail with an Amazon Simple Notification Sen/ice (Amazon SNS) notification that occurs when updated logs are sent to Amazon S3 Use Amazon Athena to create a new table and to query on CreateImage when an API call is detected
C. Create an Amazon EventBndge (Amazon CloudWatch Events) rule for the CreateImage API call Configure the target as an Amazon Simple Notification Service (Amazon SNS) topic to send an alert when a CreateImage API call is detected
D. Configure an Amazon Simple Queue Service (Amazon SQS) FIFO queue as a target for AWS CloudTrail logs Create an AWS Lambda function to send an alert to an Amazon Simple Notification Service (Amazon SNS) topic when a CreateImage API call is detected

Answer: B

NEW QUESTION 146
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 set of VPNs between the Management and Production VPCs
B. Add a second virtual private gateway and attach it to the Management VPC.
C. Add a second set of VPNs to the Management VPC from a second customer gateway device
D. Add a second VPC peering connection between the Management VPC and the Production VPC.

Answer: C

Explanation:
https://docs.aws.amazon.com/vpn/latest/s2svpn/images/Multiple_Gateways_diagram.png
"To protect against a loss of connectivity in case your customer gateway device becomes unavailable, you can set up a second Site-to-Site VPN connection to your VPC and virtual private gateway by using a second customer gateway device." https://docs.aws.amazon.com/vpn/latest/s2svpn/vpn-redundant-connection.html

NEW QUESTION 148
A company wants to reduce the cost of its existing three-tier web architect. The web, application, and database servers are running on Amazon EC2 instance EC2 instance for the development, test and production environments. The EC2 instances average 30% CPU utilization during peak hours and 10% CPU utilization during non-peak hours.
The production EC2 instance purchasing solution will meet the company's requirements MOST cost-effectively?

A. Use Spot Instances for the production EC2 instance
B. Use Reserved Instances for the development and test EC2 instances
C. Use Reserved Instances for the production EC2 instance
D. Use On-Demand Instances for the development and test EC2 instances
E. Use blocks for the production FC2 ins ranges Use Reserved instances for the development and lest EC2 instances
F. Use On-Demand Instances for the production EC2 instance
G. Use Spot blocks for the development and test EC2 instances

Answer: B

NEW QUESTION 152
A global company hosts its web application on Amazon EC2 instances behind an Application Load Balancer (ALB). The web application has static data and dynamic data. The company stores its static data in an Amazon S3 bucket. The company wants to improve performance and reduce latency for the static data and dynamic data. The company is using its own domain name registered with Amazon Route 53.
What should a solutions architect do to meet these requirements?

A. Create an Amazon CloudFront distribution that has the S3 bucket and the ALB as origins Configure Route 53 to route traffic to the CloudFront distribution.
B. Create an Amazon CloudFront distribution that has the ALB as an origin Create an AWS Global Accelerator standard accelerator that has the S3 bucket as an endpoin
C. Configure Route 53 to route traffic to the CloudFront distribution.
D. Create an Amazon CloudFront distribution that has the S3 bucket as an origin Create an AWS Global Accelerator standard accelerator that has the ALB and the CloudFront distribution as endpoints Create a custom domain name that points to the accelerator DNS name Use the custom domain name as an endpoint for the web application.
E. Create an Amazon CloudFront distribution that has the ALB as an origin
F. Create an AWS Global Accelerator standard accelerator that has the S3 bucket as an endpoint Create two domain name
G. Point one domain name to the CloudFront DNS name for dynamic content, Point the other domain name to the accelerator DNS name for static content Use the domain names as endpoints for the web application.

Answer: D

NEW QUESTION 157
A company hosts an application on AWS Lambda functions mat are invoked by an Amazon API Gateway API The Lambda functions save customer data to an Amazon Aurora MySQL database Whenever the company upgrades the database, the Lambda functions fail to establish database connections until the upgrade is complete The result is that customer data Is not recorded for some of the event
A solutions architect needs to design a solution that stores customer data that is created during database upgrades
Which solution will meet these requirements?

A. Provision an Amazon RDS proxy to sit between the Lambda functions and the database Configure the Lambda functions to connect to the RDS proxy
B. Increase the run time of me Lambda functions to the maximum Create a retry mechanism in the code that stores the customer data in the database
C. Persist the customer data to Lambda local storag

D. Configure new Lambda functions to scan the local storage to save the customer data to the database.
E. Store the customer data m an Amazon Simple Queue Service (Amazon SOS) FIFO queue Create a new Lambda function that polls the queue and stores the customer data in the database

Answer: C

NEW QUESTION 160
A solutions architect is using Amazon S3 to design the storage architecture of a new digital media application. The media files must be resilient to the loss of an Availability Zone Some files are accessed frequently while other files are rarely accessed in an unpredictable pattern. The solutions architect must minimize the costs of storing and retrieving the media files.
Which storage option meets these requirements?

A. S3 Standard
B. S3 Intelligent-Tiering
C. S3 Standard-Infrequent Access {S3 Standard-IA)
D. S3 One Zone-Infrequent Access (S3 One Zone-IA)

Answer: B

NEW QUESTION 164
A company stores data in an Amazon Aurora PostgreSQL DB cluster. The company must store all the data for 5 years and must delete all the data after 5 years. The company also must indefinitely keep audit logs of actions that are performed within the database. Currently, the company has automated backups configured for Aurora.
Which combination of steps should a solutions architect take to meet these requirements? (Select TWO.)

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

Answer: AD

NEW QUESTION 165
A solutions architect is creating a new VPC design. There are two public subnets for the load balancer, two private subnets for web servers, and two private subnets for MySQL. The web servers use only HTTPS. The solutions architect has already created a security group for the load balancer allowing port 443 from 0.0.0.0/0.
Company policy requires that each resource has the least access required to still be able to perform its tasks. Which additional configuration strategy should the solutions architect use to meet these requirements?

A. Create a security group for the web servers and allow port 443 from 0.0.0.0/0. Create a security group (or the MySQL servers and allow port 3306 from the web servers security group.
B. Create a network ACL for the web servers and allow port 443 from 0.0.0.0/0. Create a network ACL for the MySQL servers and allow port 3306 from the web servers security group.
C. Create a security group for the web servers and allow port 443 from the load balance
D. Create a security group for the MySQL servers and allow port 3306 from the web servers security group.
E. Create a network ACL for the web servers and allow port 443 from the load balance
F. Create a network ACL for the MySQL servers and allow port 3306 from the web servers security group.

Answer: C

NEW QUESTION 166
A company is creating a new application that will store a large amount of data. The data will be analyzed hourly and will be modified by several Amazon EC2 Linux instances that are deployed across multiple Availability Zones. The needed amount of storage space will continue to grow for the next 6 Months.
Which storage solution should a solutions architect recommend to meet these requirements?

A. Store the data in Amazon S3 Glacier Update me S3 Glacier vault policy to allow access to the application Instances
B. Store the data in an Amazon Elastic Block Store (Amazon EBS) volume Mount the EBS volume on the application nuances.
C. Store the data in an Amazon Elastic File System (Amazon EFS) tile system Mount the file system on the application instances.
D. Store the data in an Amazon Elastic Block Store (Amazon EBS) Provisioned K)PS volume shared between the application instances.

Answer: C

NEW QUESTION 170
A company wants to migrate a Windows-based application from on premises to the AWS Cloud. The application has three tiers, a business tier, and a database tier with Microsoft SQL Server. The company wants to use specific features of SQL Server such as native backups and Data Quality Services. The company also needs to share files for process between the tiers.
How should a solution architect design the architecture to meet these requirements?

A. Host all three on Amazon instance
B. Use Mmazon FSx File Gateway for file sharing between tiers.
C. Host all three on Amazon EC2 instance
D. Use Amazon FSx for Windows file sharing between the tiers.
E. Host the application tier and the business tier on Amazon EC2 instance
F. Host the database tier on Amazon RD
G. Use Amazon Elastic File system (Amazon EFS) for file sharing between the tiers.
H. Host the application tier and the business tier on Amazon EC2 instance
I. Host the database tier on Amazon RD

J. Use a Provisioned IOPS SSD (io2) Amazon Elastic Block Store (Amazon EBS) volume for file sharing between the tiers.

Answer: B

NEW QUESTION 171
A company's web application resizes uploaded images lot users The application stores the original images and the resized images in Amazon S3 The company needs lo minimize the storage costs tor all the images Original images ate viewed frequently. and resized images are viewed infrequently after they are created Both types of images need to be immediately available
Which combination of actions should a solutions architect take to meet these requirements? (Select TWO.) A. Store the original images In S3 Standard.

A. Store the resized images in S3 Standard
B. Store the original images in S3 Glacier
C. Store the resized Images In S3 Glacier
D. Store the resized Images In S3 One Zone-Infrequent Access (S3 One Zone-IA).

Answer: AD

NEW QUESTION 174
A company has a document management application that contains PDF documents The company hosts the application on Amazon EC2 instances According to regulations, the instances must not have access to the internet The application must be able to read and write to a persistent storage system that provides native versioning capabilities
A solutions architect needs to design secure storage that maximizes resiliency and facilitates data sharing across instances
Which solution meets these requirements?

A. Place the instances in a public subnet Use Amazon S3 for storage Access S3 objects by using URLs
B. Place the instances in a private subnet use Amazon S3 for storage Use a VPC endpoint to access S3 objects
C. Use the instances with a Provisioned IOPS SSD (io2) Amazon Elastic Block Store (Amazon EBS) volume.
D. Use Amazon Elastic File System (Amazon EPS) Standard-Infrequent Access (Standard-IA) to store data and provide shared access to the instances

Answer: B

NEW QUESTION 175
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