Exam Questions SAA-C03

AWS Certified Solutions Architect - Associate (SAA-C03)

https://www.2passeasy.com/dumps/SAA-C03/

NEW QUESTION 1
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. Purchase Reserved instances that specify the Region 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. Create an On-Demand Capacity Reservation that specifies the Region and three Availability Zones needed

Answer: D

Explanation:
Explanation
https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-capacity-reservations.html: "When you create a Capacity Reservation, you specify:
The Availability Zone in which to reserve the capacity"

NEW QUESTION 2
A company has an application that runs on Amazon EC2 instances and uses an Amazon Aurora database. The EC2 instances connect to the database by using user names and passwords that are stored locally in a file. The company wants to minimize the operational overhead of credential management.
What should a solutions architect do to accomplish this goal?

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

Answer: B

NEW QUESTION 3
A company hosts a marketing website in an on-premises data center. The website consists of static documents and runs on a single server. An administrator updates the website content infrequently and uses an SFTP client to upload new documents.
The company decides to host its website on AWS and to use Amazon CloudFront. The company's solutions architect creates a CloudFront distribution. The solutions architect must design the most cost-effective and resilient architecture for website hosting to serve as the CloudFront origin.
Which solution will meet these requirements?

A. Create a virtual server by using Amazon Lightsai
B. Configure the web server in the Lightsail instance.Upload website content by using an SFTP client.
C. Create an AWS Auto Scaling group for Amazon EC2 instance
D. Use an Application Load Balancer.Upload website content by using an SFTP client.
E. Create a private Amazon S3 bucke
F. Use an S3 bucket policy to allow access from a CloudFront origin access identity (OAI). Upload website content by using theAWSCLI.
G. Create a public Amazon S3 bucke
H. Configure AWS Transfer for SFT
I. Configure the S3 bucket for website hostin
J. Upload website content by using the SFTP client.

Answer: D

NEW QUESTION 4
A company observes an increase in Amazon EC2 costs in its most recent bill
The billing team notices unwanted vertical scaling of instance types for a couple of EC2 instances
A solutions architect needs to create a graph comparing the last 2 months of EC2 costs and perform an in-depth analysis to identify the root cause of the vertical scaling
How should the solutions architect generate the information with the LEAST operational overhead?

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

Answer: B

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

NEW QUESTION 5
A company is designing an application. The application uses an AWS Lambda function to receive information through Amazon API Gateway and to store the information in an Amazon Aurora PostgreSQL database.
During the proof-of-concept stage, the company has to increase the Lambda quotas significantly to handle the high volumes of data that the company needs to load into the database. A solutions architect must recommend a new design to improve scalability and minimize the configuration effort.
Which solution will meet these requirements?

A. Refactor the Lambda function code to Apache Tomcat code that runs on Amazon EC2 instances.Connect the database by using native Java Database Connectivity (JDBC) drivers.
B. Change the platform from Aurora to Amazon DynamoD
C. Provision a DynamoDB Accelerator (DAX) cluste
D. Use the DAX client SDK to point the existing DynamoDB API calls at the DAX cluster.
E. Set up two Lambda function
F. Configure one function to receive the informatio
G. Configure the other function to load the information into the databas
H. Integrate the Lambda functions by using Amazon Simple Notification Service (Amazon SNS).
I. Set up two Lambda function
J. Configure one function to receive the informatio
K. Configure the other function to load the information into the databas
L. Integrate the Lambda functions by using an Amazon Simple Queue Service (Amazon SQS) queue.

Answer: D

Explanation:
Explanation
bottlenecks can be avoided with queues (SQS).

NEW QUESTION 6
A company needs to review its AWS Cloud deployment to ensure that its Amazon S3 buckets do not have unauthorized configuration changes.
What should a solutions architect do to accomplish this goal?

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

Answer: A

NEW QUESTION 7
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 8
A company is building an application in the AWS Cloud. The application will store data in Amazon S3 buckets in two AWS Regions. The company must use an AWS Key Management Service (AWS KMS) customer managed key to encrypt
all data that is stored in the S3 buckets. The data in both S3 buckets must be encrypted and decrypted with the same KMS key. The data and the key must be stored in each of the two Regions.
Which solution will meet these requirements with the LEAST operational overhead?

A. Create an S3 bucket in each Region Configure the S3 buckets to use server-side encryption with Amazon S3 managed encryption keys (SSE-S3) Configure replication between the S3 buckets.
B. Create a customer managed multi-Region KMS ke
C. Create an S3 bucket in each Regio
D. Configure replication between the S3 bucket
E. Configure the application to use the KMS key with client-side encryption.
F. Create a customer managed KMS key and an S3 bucket in each Region Configure the S3 buckets to use server-side encryption with Amazon S3 managed encryption keys (SSE-S3) Configure replication between the S3 buckets.
G. Create a customer managed KMS key and an S3 bucket m each Region Configure the S3 buckets to use server-side encryption with AWS KMS keys (SSE-KMS) Configure replication between the S3 buckets.

Answer: C

Explanation:
Explanation
From https://docs.aws.amazon.com/kms/latest/developerguide/custom-key-store-overview.htmlFor most users, the default AWS KMS key store, which is protected by FIPS 140-2 validatedcryptographic modules, fulfills their security requirements. There is no need to add an extra layer ofmaintenance responsibility or a dependency on an additional service. However, you might considercreating a custom key store if your organization has any of the following requirements: Key materialcannot be stored in a shared environment. Key material must be subject to a secondary, independentaudit path. The HSMs that generate and store key material must be certified at FIPS 140-2 Level 3.
https://docs.aws.amazon.com/kms/latest/developerguide/custom-key-store-overview.html

NEW QUESTION 9
A company's application integrates with multiple software-as-a-service (SaaS) sources for data collection. The company runs Amazon EC2 instances to receive the data and to upload the data to an Amazon S3 bucket for analysis. The same EC2 instance that receives and uploads the data also sends a notification to the user when an upload is complete. The company has noticed slow application performance and wants to improve the performance as much as possible.
Which solution will meet these requirements with the LEAST operational overhead?

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

Answer: B

NEW QUESTION 10
A company runs a highly available image-processing application on Amazon EC2 instances in a single VPC The EC2 instances run inside several subnets across multiple Availability Zones. The EC2 instances do not communicate with each other However, the EC2 instances download images from Amazon S3 and upload images to Amazon S3 through a single NAT gateway The company is concerned about data transfer charges What is the MOST cost-effective way for the company to avoid Regional data transfer charges?

A. Launch the NAT gateway in each Availability Zone
B. Replace the NAT gateway with a NAT instance
C. Deploy a gateway VPC endpoint for Amazon S3
D. Provision an EC2 Dedicated Host to run the EC2 instances

Answer: C

NEW QUESTION 10
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 15
A company's website uses an Amazon EC2 instance store for its catalog of items. The company wants to make sure that the catalog is highly available and that the catalog is stored in a durable location.
What should a solutions architect do to meet these requirements?

A. Move the catalog to Amazon ElastiCache for Redis.
B. Deploy a larger EC2 instance with a larger instance store.
C. Move the catalog from the instance store to Amazon S3 Glacier Deep Archive.
D. Move the catalog to an Amazon Elastic File System (Amazon EFS) file system.

Answer: A

NEW QUESTION 20
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 24
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 27
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 30
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 32
A company has an on-premises MySQL database that handles transactional data The company is migrating the database to the AWS Cloud The migrated database must maintain compatibility with the company's applications that use the database The migrated database also must scale automatically during periods of increased demand.
Which migration solution will meet these requirements?

A. Use native MySQL tools to migrate the database to Amazon RDS for MySQL Configure elastic storage scaling
B. Migrate the database to Amazon Redshift by using the mysqldump utility Turn on Auto Scaling for the Amazon Redshift cluster
C. Use AWS Database Migration Service (AWS DMS) to migrate the database to Amazon Aurora Turn on Aurora Auto Scaling.
D. Use AWS Database Migration Service (AWS DMS) to migrate the database to Amazon DynamoDB Configure an Auto Scaling policy.

Answer: C

NEW QUESTION 37
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 41
A company is building a containerized application on premises and decides to move the application to AWS. The application will have thousands of users soon after li is deployed. The company Is unsure how to manage the deployment of containers at scale. The company needs to deploy the containerized application in a highly available architecture that minimizes operational overhead.
Which solution will meet these requirements?

A. Store container images In an Amazon Elastic Container Registry (Amazon ECR) repositor
B. Use an Amazon Elastic Container Service (Amazon ECS) cluster with the AWS Fargate launch type to run the container
C. Use target tracking to scale automatically based on demand.
D. Store container images in an Amazon Elastic Container Registry (Amazon ECR) repositor
E. Use an Amazon Elastic Container Service (Amazon ECS) cluster with the Amazon EC2 launch type to run the container
F. Use target tracking to scale automatically based on demand.
G. Store container images in a repository that runs on an Amazon EC2 instanc
H. Run the containers on EC2 instances that are spread across multiple Availability Zone
I. Monitor the average CPU utilization in Amazon CloudWatc
J. Launch new EC2 instances as needed
K. Create an Amazon EC2 Amazon Machine Image (AMI) that contains the container image Launch EC2 Instances in an Auto Scaling group across multiple Availability Zone
L. Use an Amazon CloudWatch alarm to scale out EC2 instances when the average CPU utilization threshold is breached.

Answer: A

NEW QUESTION 44
A company has a web-based map application that provides status information about ongoing repairs. The application sometimes has millions of users. Repair teams have a mobile app that sends current location and status in a JSON message to a REST-based endpoint.
Few repairs occur on most days. The company wants the application to be highly available and to scale when large numbers of repairs occur after nature disasters. Customer use the application most often during these times. The company does not want to pay for idle capacity.

A. Create a webpage that is based on Amazon S3 to display informatio
B. Use Amazon API Gateway and AWS Lambda to receive the JSON status data Store the JSON data m Amazon S3.
C. Use Amazon EC2 instances as wad servers across multiple Availability Zone
D. Run the EC2 instances inan Auto Scaling grou
E. Use Amazon API Gateway and AWS Lambda to receive the JSON status data Store the JSON data In Amazon S3.
F. Use Amazon EC2 instances as web servers across multiple Availability Zone
G. Run the EC2 instances in an Auto Scaling grou
H. Use a REST endpoint on the EC2 instances to receive the JSON status dat
I. Store the JSON data in an Amazon RDS Mufti-AZ DB instance.
J. Use Amazon EC? instances as web servers across multiple Availability zones Run the FC? instances in an Auto Scaling group Use a REST endpoint on the EC? instances to receive the JSON status data Store the JSON data in an Amazon DynamoDB table.

Answer: D

NEW QUESTION 49
A company wants to analyze and troubleshoot Access Denied errors and unauthorized errors that ate related to IAM permissions. The company has AWS ClouTrail turned on.
Which solution will meet these requirements with the LEAST effort?

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

Answer: C

NEW QUESTION 54
A company is building an ecommerce application and needs to store sensitive customer information. The company needs to give customers the ability to complete purchase transactions on the website. The company also needs to ensure that sensitive customer data is protected, even from database administrators.
Which solution meets these requirements?

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

Answer: C

NEW QUESTION 58
A company is experiencing sudden increases in demand. The company needs to provision large Amazon EC2 instances from an Amazon Machine image (AMI) The instances will run m an Auto Scaling group. The company needs a solution that provides minimum initialization latency to meet the demand.
Which solution meets these requirements?

A. Use the aws ec2 register-image command to create an AMI from a snapshot Use AWS Step Functions to replace the AMI in the Auto Scaling group
B. Enable Amazon Elastic Block Store (Amazon EBS) fast snapshot restore on a snapshot Provision an AMI by using the snapshot Replace the AMI m the Auto Scaling group with the new AMI

C. Enable AMI creation and define lifecycle rules in Amazon Data Lifecycle Manager (Amazon DLM) Create an AWS Lambda function that modifies the AMI in the Auto Scaling group
D. Use Amazon EventBridge (Amazon CloudWatch Events) to invoke AWS Backup lifecycle policies that provision AMIs Configure Auto Scaling group capacity limits as an event source in EventBridge (CloudWatch Events)

Answer: B

NEW QUESTION 61
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 65
A company is running an ASP.NET MVC application on a single Amazon EC2 instance. A recent increase in application traffic is causing slow response times for users during lunch hours. The company needs to resolve this concern with the least amount of configuration.
What should a solutions architect recommend to meet these requirements?

A. Move the application to AWS Elastic Beanstal
B. Configure load-based auto scaling and time-based scaling to handle scaling during lunch hours
C. Move the application to Amazon Elastic Container Service (Amazon ECS) Create an AWS Lambda function to handle scaling during lunch hours.
D. Move the application to Amazon Elastic Container Service (Amazon ECS). Configure scheduled scaling for AWS Application Auto Scaling during lunch hours.
E. Move the application to AWS Elastic Beanstal
F. Configure load-based auto scaling, and create an AWS Lambda function to handle scaling during lunch hours.

Answer: A

Explanation:
- Scheduled scaling is the solution here, while "using the least amount of settings possible" - Beanstalk vs moving to ECS - ECS requires MORE CONFIGURATION / SETTINGS (task and service definitions, configuring ECS container agent) than Beanstalk (upload application code)
https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/environments-cfg-autoscaling-scheduledactions.html Elastic Beanstalk supports time based scaling, since we are aware that the application performance slows down during the lunch hours.
https://aws.amazon.com/about-aws/whats-new/2015/05/aws-elastic-beanstalk-supports-time-based-scaling/

NEW QUESTION 66
An ecommerce company has an order-processing application that uses Amazon API Gateway and an AWS Lambda function. The application stores data in an Amazon Aurora PostgreSQL database. During a recent sales event, a sudden surge in customer orders occurred. Some customers experienced timeouts and the application did not process the orders of those customers A solutions architect determined that the CPU utilization and memory utilization were high on the database because of a large number of open connections The solutions architect needs to prevent the timeout errors while making the least possible changes to the application.
Which solution will meet these requirements?

A. Configure provisioned concurrency for the Lambda function Modify the database to be a global database in multiple AWS Regions
B. Use Amazon RDS Proxy to create a proxy for the database Modify the Lambda function to use the RDS Proxy endpoint instead of the database endpoint
C. Create a read replica for the database in a different AWS Region Use query string parameters in API Gateway to route traffic to the read replica
D. Migrate the data from Aurora PostgreSQL to Amazon DynamoDB by using AWS Database Migration Service (AWS DMS| Modify the Lambda function to use the OynamoDB table

Answer: C

NEW QUESTION 69
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 74
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 anywbere (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 79
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 82
A solutions architect is designing a customer-facing application for a company. The application's database will have a clearly defined access pattern throughout the year and will have a variable number of reads and writes that depend on the time of year. The company must retain audit records for the database for 7 days. The recovery point objective (RPO) must be less than 5 hours. Which solution meets these requirements?

A. Use Amazon DynamoDB with auto scaling Use on-demand backups and Amazon DynamoDB Streams
B. Use Amazon Redshif
C. Configure concurrency scalin
D. Activate audit loggin
E. Perform database snapshots every 4 hours.
F. Use Amazon RDS with Provisioned IOPS Activate the database auditing parameter Perform database snapshots every 5 hours
G. Use Amazon Aurora MySQL with auto scalin
H. Activate the database auditing parameter

Answer: B

NEW QUESTION 84
A company wants to migrate its existing on-premises monolithic application to AWS.
The company wants to keep as much of the front- end code and the backend code as possible. However, the company wants to break the application into smaller applications. A different team will manage each application. The company needs a highly scalable solution that minimizes operational overhead.
Which solution will meet these requirements?

A. Host the application on AWS Lambda Integrate the application with Amazon API Gateway.
B. Host the application with AWS Amplif
C. Connect the application to an Amazon API Gateway API that is integrated with AWS Lambda.
D. Host the application on Amazon EC2 instance
E. Set up an Application Load Balancer with EC2 instances in an Auto Scaling group as targets.
F. Host the application on Amazon Elastic Container Service (Amazon ECS) Set up an Application Load Balancer with Amazon ECS as the target.

Answer: C

NEW QUESTION 86
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 88
A company has an AWS Glue extract. transform, and load (ETL) job that runs every day at the same time. The job processes XML data that is in an Amazon S3 bucket.
New data is added to the S3 bucket every day. A solutions architect notices that AWS Glue is processing all
the data during each run.
What should the solutions architect do to prevent AWS Glue from reprocessing old data?

A. Edit the job to use job bookmarks.
B. Edit the job to delete data after the data is processed
C. Edit the job by setting the NumberOfWorkers field to 1.
D. Use a FindMatches machine learning (ML) transform.

Answer: B

NEW QUESTION 91
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 94
A company needs to develop a repeatable solution to process time-ordered information from websites around the world. The company collects the data from the websites by using Amazon Kinesis Data Streams and stores the data in Amazon S3. The processing logic needs to collect events and handle data from the last 5 years.
The processing logic also must generate results m an S3 bucket so that a business intelligence application can analyze and compare the results. The processing must be repeated multiple times.
What should a solutions architect do to meet these requirements?

A. Use Amazon S3 to collect event
B. Create an AWS Lambda function to process the event
C. Create different Lambda functions to handle repeated processing.
D. Use Amazon EventBridge (Amazon CloudWatch Events) to collect events Set AWS Lambda as an event target.Use EventBridge (CloudWatch Events) to create an archive for the events and to replay the events.
E. Use an Amazon Simple Queue Service (Amazon SQS) FIFO queue to collect event
F. Process the events by using Amazon EC2. Use AWS Step Function to create an archive for the events and to replay the events
G. Use Amazon Managed Streaming for Apache Kafka (Amazon MSK) to collect event
H. Process the events by using Amazon Elastic Kubemetes Service (Amazon EKS) Use Amazon MSK to create an archive for the events and to replay the events.

Answer: C

NEW QUESTION 95
A company hosts a website on Amazon EC2 instances behind an Application Load Balancer (ALB) The website serves static content Website traffic is increasing, and the company is concerned about a potential increase in cost.
What should a solutions architect do to reduce the cost of the website?

A. Create an Amazon CloudFront distribution to cache static files at edge locations.
B. Create an Amazon ElastiCache cluster Connect the ALB to the ElastiCache cluster to serve cached files.
C. Create an AWS WAF web ACL, and associate it with the ALB Add a rule to the web ACL to cache static files.
D. Create a second ALB in an alternative AWS Region Route user traffic to the closest Region to minimize data transfer costs.

Answer: A

NEW QUESTION 98
A startup company is hosting a website for its customers on an Amazon EC2 instance. The website consists of a stateless python application and a MySQL database. The website serves only a small amount of traffic. The company is concerned about the reliability of the instance and needs to migrate to a highly

available architecture. The company cannot modify the application code.
Which combination of actions should a solution architect take to achieve high availability for the website?
(Select TWO.)

A. Provision an internet gateway in each Availability Zone in use.
B. Migrate the database to on Amazon RDS for MySQL Multi-AZ DB instance
C. Migrate the database to Amazon DynamoDB, and enable DynamoDB auto scaling.
D. Use AWS DataSync to synchronize the database data across multiple EC2 instances
E. Create an Application Load Balancer to distribute traffic to an Auto Scaling group or EC2 instances that are distributed across two Availability Zones.

Answer: BE

NEW QUESTION 101
A company wants an AWS Lambda function to call a third-party API and save the response to a private Amazon ROS DB instance in the same private subnet
What should a solutions architect do to meet these requirements?

A. Create a NAT gatewa
B. In the route table for the private subnet, add a route to the NAT gatewa
C. Attach the Lambda function to the private subne
D. Create an IAM role that includes the AWSLambdaBasicExecutionRole permissions policy Attach the role to the Lambda function
E. Create an internet gateway In the route table for the private subnet, add a route to the internet gateway Attach the Lambda function to the private subnet Create an IAM role that includes me AWSLambdaBasicExecutionRole permissions policy Attach the role to the Lambda function
F. Create a NAT gateway In the route table for the private subnet add a route to the NAT gateway Attach the Lambda function to the private subne
G. Create an IAM role that includes the AWS LambdaVPCAccessExecutionRole permissions policy Attach the role to the Lambda function
H. Create an internet gateway in the route table for the private subnet, add a route to the internet gateway Attach the Lambda function to the private subnet Create an IAM role that includes the AWSLambdaVPCAccessExecutionRole permissions policy Attach the role to the Lambda function

Answer: B

NEW QUESTION 106
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 111
A company hosts its web applications in the AWS Cloud. The company configures Elastic Load Balancers to use certificate that are imported into AWS Certificate Manager (ACM). The company's security team must be notified 30 days before the expiration of each certificate.
What should a solutions architect recommend to meet the requirement?

A. Add a rule m ACM to publish a custom message to an Amazon Simple Notification Service (Amazon SNS) topic every day beginning 30 days before any certificate will expire.
B. Create an AWS Config rule that checks for certificates that will expire within 30 day
C. Configure Amazon EventBridge (Amazon CloudWatch Events) to invoke a custom alert by way of Amazon Simple Notification Service (Amazon SNS) when AWS Config reports a noncompliant resource
D. Use AWS trusted Advisor to check for certificates that will expire within to day
E. Create an Amazon CloudWatch alarm that is based on Trusted Advisor metrics for check status changes Configure the alarm to send a custom alert by way of Amazon Simple rectification Service (Amazon SNS)
F. Create an Amazon EventBridge (Amazon CloudWatch Events) rule to detect any certificates that will expire within 30 day
G. Configure the rule to invoke an AWS Lambda functio
H. Configure the Lambda function to send a custom alert by way of Amazon Simple Notification Service (Amazon SNS).

Answer: B

NEW QUESTION 115
A company uses NFS to store large video files in on-premises network attached storage. Each video file ranges in size from 1MB to 500 GB. The total storage is 70 TB and is no longer growing. The company decides to migrate the video files to Amazon S3. The company must migrate the video files as soon as possible while using the least possible network bandwidth.
Which solution will meet these requirements?

A. Create an S3 bucket Create an 1AM role that has permissions to write to the S3 bucke
B. Use the AWS CLI to copy all files locally to the S3 bucket.
C. Create an AWS Snowball Edge jo
D. Receive a Snowball Edge device on premise
E. Use the Snowball Edge client to transfer data to the devic
F. Return the device so that AWS can import the data intoAmazon S3.
G. Deploy an S3 File Gateway on premise
H. Create a public service endpoint to connect to the S3 File Gateway Create an S3 bucket Create a new NFS file share on the S3 File Gateway Point the new file share to the S3 bucke

I. Transfer the data from the existing NFS file share to the S3 File Gateway.
J. Set up an AWS Direct Connect connection between the on-premises network and AW
K. Deploy an S3 File Gateway on premise
L. Create a public virtual interlace (VIF) to connect to the S3 File Gatewa
M. Create an S3 bucke
N. Create a new NFS file share on the S3 File Gatewa
O. Point the new file share to the S3 bucke
P. Transfer the data from the existing NFS file share to the S3 File Gateway.

Answer: C

NEW QUESTION 119
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 121
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