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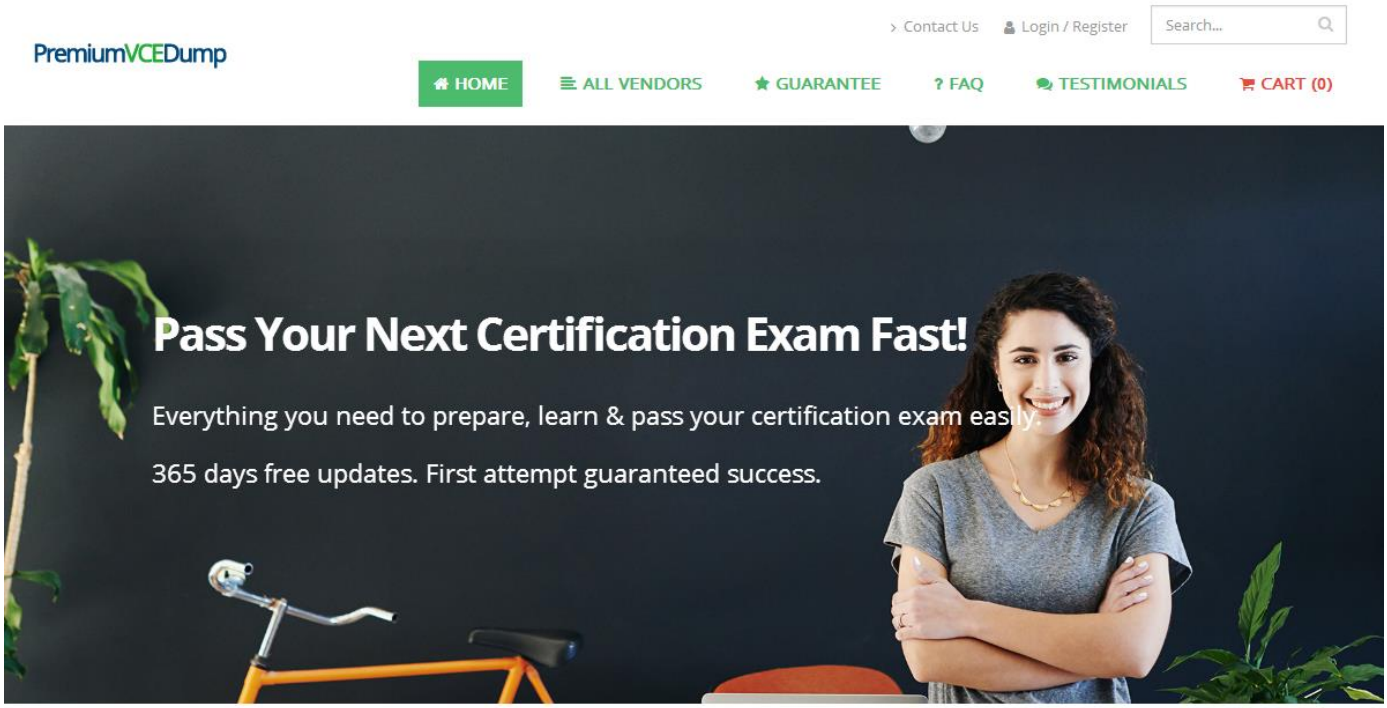

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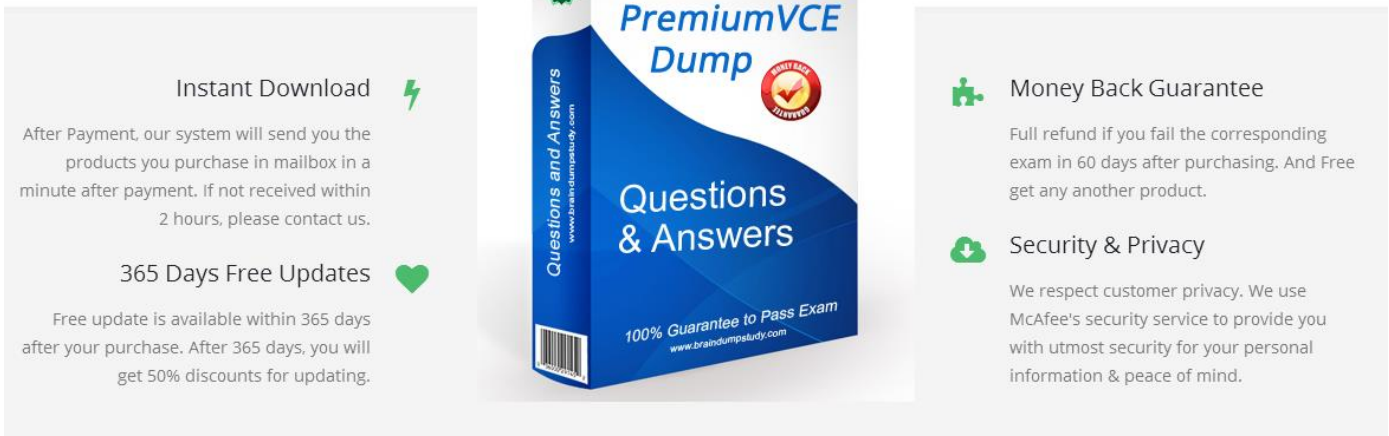

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Exam : **SAA-C02**

Title : Amazon AWS Certified Solutions Architect - Associate (SAA-C02) Exam

Vendor : Amazon

Version : DEMO

NO.1 An application development team is designing a microservice that will convert large images to smaller compressed images When a user uploads an image through the web interface the microservice should store the image in an Amazon S3 bucket process and compress the image with an AWS Lambda function, and store the image in its compressed form m a different S3 bucket
A solutions architect needs to design a solution that uses durable stateless components to process the images automatically
Which combination of actions will meet these requirements^ (Select TWO)
A. Configure the Lambda function to monitor the S3 bucket for new uploads When an uploaded image is detected write the file name to a text file in memory and use the text file to keep track of the images that were processed
B. Configure an Amazon EventBridge (Amazon CloudWatch Events) event to monitor the S3 bucket When an image is uploaded send an alert to an Amazon Simple Notification Service (Amazon SNS) topic with the application owner's email address for further processing
C. Configure the Lambda function to use the Amazon Simple Queue Service (Amazon SQS) queue as the invocation source When the SQS message is successfully processed, delete the message in the queue
D. Launch an Amazon EC2 instance to monitor an Amazon Simple Queue Service (Amazon SQS) queue When items are added to the queue log the file name in a text file on the EC2 instance and invoke the Lambda function
E. Create an Amazon Simple Queue Service (Amazon SQS) queue Configure the S3 bucket to send a notification to the SQS queue when an image is uploaded to the S3 bucket
Answer: C,E

NO.2 A company has a three-tier environment on AWS that ingests sensor data from its users' devices The traffic flows through a Network Load Balancer (NIB) then to Amazon EC2 instances for the web tier and finally to EC2 instances for the application tier that makes database calls
What should a solutions architect do to improve the security of data in transit to the web tier?
A. Configure AWS Shield Advanced and enable AWS WAF on the NLB
B. Encrypt the Amazon Elastic Block Store (Amazon EBS) volume on the EC2 instances using AWS Key Management Service (AWS KMS)
C. Change the load balancer to an Application Load Balancer and attach AWS WAF to it
D. Configure a TLS listener and add the server certificate on the NLB
Answer: D

NO.3 A company wants to replicate its data to AWS to recover in the event of a disaster Today a system administrator has scripts that copy data to a NFS share Individual backup files need to be accessed with low latency by application administrators to deal with errors in processing
What should a solutions architect recommend to meet these requirements?
A. Modify the script to copy data to an Amazon Elastic File System (Amazon EFS) volume instead of the on-premises NFS share
B. Modify the script to copy data to an Amazon S3 bucket instead of the on-premises NFS share
C. Modify the script to copy data to an Amazon S3 Glacier Archive instead of the on-premises NFS share
D. Modify the script to copy data to an AWS Storage Gateway for File Gateway virtual appliance

instead of the on-premises NFS share
Answer: A

NO.4 A company has a stateless web application that runs on AWS Lambda functions that are invoked by Amazon API Gateway. The company wants to deploy the application across multiple AWS Regions to provide Regional failover capabilities.
What should a solutions architect do to route traffic to multiple Regions?
A. Configure Amazon Route 53 health checks for each Region. Use an active-active failover configuration.
B. Use AWS Global Accelerator to create an accelerator with endpoints in each Region. Allow Global Accelerator to automatically monitor the health of endpoints and route requests.
C. Create an AWS Transit Gateway Attach the transit gateway to the API Gateway endpoint in each Region Configure the transit gateway to route requests.
D. Create an Amazon CloudFront distribution with an origin for each Region. Use CloudFront health checks to route traffic.
Answer: A

NO.5 An application running on an Amazon EC2 instance needs to access an Amazon DynamoDB table Both the EC2 instance and the DynamoDB table are in the same AWS account A solutions architect must configure the necessary permissions
Which solution will allow least privilege access to the DynamoDB table from the EC2 instance?
A. Create an IAM role with the appropriate policy to allow access to the DynamoDB table Create an instance profile to assign this IAM role to the EC2 instance
B. Create an IAM user with the appropriate policy to allow access to the DynamoDB table Store the credentials in an Amazon S3 bucket and read them from within the application code directly
C. Create an IAM user with the appropriate policy to allow access to the DynamoDB table Ensure that the application stores the IAM credentials securely on local storage and uses them to make the DynamoDB calls
D. Create an IAM role with the appropriate policy to allow access to the DynamoDB table Add the EC2 instance to the trust relationship policy document to allow it to assume the role
Answer: A

NO.6 A solutions architect needs to design a resilient solution for Windows users' home directories. The solution must provide fault tolerance, file-level backup and recovery, and access control, based upon the company's Active Directory.
Which storage solution meets these requirements?
A. Configure Amazon Elastic Block Store (Amazon EBS) to store the users home directories Configure AWS Single Sign-On with Active Directory
B. Configure Amazon Elastic File System (Amazon EFS) for the users home directories. Configure AWS Single Sign-On with Active Directory.
C. Configure Amazon S3 to store the users' home directories. Join Amazon S3 to Active Directory
D. Configure a Multi-AZ file system with Amazon FSx for Windows File Server Join Amazon FSx to Active Directory
Answer: D

NO.7 A company has an ordering application that stores customer information in Amazon RDS for MySQL. During regular business hours, employees run one-time queries for
reporting purposes. Timeouts are occurring during order processing because the reporting queries are taking a long time to run. The company needs to eliminate the timeouts without preventing employees from performing queries.
What should a solutions architect do to meet those requirements?

A. Create a read replica Move reporting queries to the read replica.

B. Schedule the reporting queries for non-peak hours.

C. Create a read replica. Distribute the ordering application to the primary DB instance and the read replica.

D. Migrate the ordering application to Amazon DynamoDB with on-demand capacity.

Answer: C

NO.8 A company is hosting its website by using Amazon EC2 instances behind an Elastic Load balancer across multiple Availability Zones. The instances run in an EC2 Scaling group. The website uses Amazon Elastic Block Store (Amazon EBS) volume to store product manuals for users to download. The company updates the product content often, so new instances launched by the Auto Scaling group often have dat
a. It can take to 30 minutes for the new instances to receive all the updates. The updates also require the EBS volumes to be resized during business hours.
The company wants to ensure that the product manuals are always up to data on all instances and that the architecture adjusts quickly to increased user demand. A solutions architect needs to meet these requirements without causing the company lo update Its application code or adjust its website
What should the solutions architect do to accomplish this goal?

A. Store the product manuals in an Amazon S3 bucket Redirect the downloads to this bucket

B. Store the product manuals in an Amazon Elastic File System (Amazon EFS) volume. Mount that volume to the EC2 instances

C. Store the product manuals in an EBS volume Mount that volume to the EC2 instances

D. Store the product manuals in an Amazon S3 Standard-Infrequent Access (S3 Standard-IA) bucket. Redirect the downloads to this bucket

Answer: B

NO.9 A company runs a web-based portal that provides users with global breaking news local alerts, and weather updates The portal delivers each user a personalized view by using a mixture of static and dynamic content Content is served over HTTPS through an API server running on an Amazon EC2 instance behind an Application Load Balancer (ALB) The company wants the portal to provide this content to its users across the world as quickly as possible
How should a solutions architect design the application to ensure the LEAST amount of latency for all users?

A. Deploy the application stack in two AWS Regions Use an Amazon Route 53 geolocation routing policy to serve all content from the ALB in the closest Region

B. Deploy the application stack in a single AWS Region Use Amazon CloudFront to serve the static content Serve the dynamic content directly from the ALB

C. Deploy the application stack in two AWS Regions Use an Amazon Route 53 latency routing policy

to serve all content from the ALB in the closest Region

D. Deploy the application stack in a single AWS Region Use Amazon CloudFront to serve all static and dynamic content by specifying the ALB as an origin

Answer: C

NO.10 A company copies 200 TB of data from a recent ocean survey onto AWS Snowball Edge Storage Optimized devices The company has a high performance computing (HPC) cluster that is hosted on AWS to look for oil and gas deposits A solutions architect must provide the cluster with consistent sub-millisecond latency and high-throughput access to the data on the Snowball Edge Storage Optimized devices The company is sending the devices back to AWS

Which solution will meet these requirements'?

A. Create an Amazon S3 bucket Import the data into the S3 bucket Configure an Amazon FSx for Lustre file system and integrate it with the S3 bucket Access the FSx for Lustre file system from the HPC cluster instances

B. Create an Amazon S3 bucket Import the data into the S3 bucket. Configure an AWS Storage Gateway file gateway to use the S3 bucket Access the file gateway from the HPC cluster instances

C. Create an Amazon S3 bucket and an Amazon Elastic File System (Amazon EFS) file system Import the data into the S3 bucket Copy the data from the S3 bucket to the EFS file system Access the EFS file system from the HPC cluster instances

D. Create an Amazon FSx for Lustre file system Import the data directly into the FSx for Lustre file system Access the FSx for Lustre file system from the HPC cluster instances

Answer: B

NO.11 An airline that is based in the United States provides services for routes in North America and Europe. The airline is developing a new read-intensive application that customers can use to find flights on either continent.

The application requires strong read consistency and needs scalable database capacity to accommodate changes in user demand. The airline needs the database service to synchronize with the least possible latency between the two continents and to provide a simple failover mechanism to a second AWS Region.

Which solution will meet these requirements?

A. Create an Amazon DynamoDB global table Add a Region from North America and a Region from Europe to the table. Query data with strongly consistent reads.

B. Deploy Microsoft SQL Server on Amazon EC2 instances in a Region in North America. Use SOL Server binary log replication on an EC2 instance in a Region in Europe.

C. Use an Amazon Aurora MySQL global database. Deploy the read-write node in a Region in North America, and deploy read-only endpoints in Regions in North America and Europe. Query data with global read consistency.

D. Create a subscriber application that uses Amazon Kinesis Data Steams for an Amazon Redshift cluster in a Region in North America. Create a second subscriber application for the Amazon Redshift cluster in a Region in Europe. Process all database modifications through Kinesis Data Streams.

Answer: C

NO.12 A solutions architect is designing a shared storage solution for a web application that is

deployed across multiple Availability Zones. The web application runs on Amazon EC2 instances that are in an Auto Scaling group. The company plans to make frequent changes to the content. The solution must have strong consistency in returning the new content as soon as the changes occur.
Which solutions meet these requirements? (Select TWO.)

A. Create a shared Amazon Elastic Block Store (Amazon EBS) volume. Mount the EBS volume on the individual EC2 instances.

B. Use AWS DataSync to perform continuous synchronization of data between EC2 hosts in the Auto Scaling group.

C. Create an Amazon S3 bucket to store the web content. Set the metadata for the Cache-Control header to no-cache. Use Amazon CloudFront to deliver the content.

D. Create an Amazon Elastic File System (Amazon EFS) file system. Mount the EFS file system on the individual EC2 instances.

E. Use AWS Storage Gateway Volume Gateway Internet Small Computer Systems Interface (ISCSI) block storage that is mounted to the individual EC2 instances.

Answer: A,D

NO.13 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 Simple Notification Service (Amazon SNS) to ingest the data Put the EC2 instances in an Auto Scaling group behind an Application Load Balancer

B. Use Amazon API Gateway on top of the existing application. Create a usage plan with a quota limit for the third-party vendor

C. 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

D. Use Amazon Kinesis Data Streams to ingest the data Process the data using AWS Lambda function.

Answer: D

NO.14 A company uses AWS to run all components of its three-tier web application. The company wants to automatically detect any potential security breaches within the environment The company wants to track any findings and notify administrators if a potential breach occurs
Which solution meets these requirements?

A. Deploy Amazon GuardDuty to monitor the environment and generate findings in Amazon CloudWatch Configure an

B. Deploy Amazon Inspector to monitor the environment and generate findings in Amazon CloudWatch Configure an Amazon EventBridge (Amazon CloudWatch Events) rule to publish a message to an Amazon Simple Notification Service (Amazon SNS) topic to notify administrators by email

C. Set up AWS Shield to evaluate suspicious web traffic Create AWS Lambda functions to log any findings in Amazon CloudWatch and send email notifications to administrators.

D. Set up AWS WAF to evaluate suspicious web traffic Create AWS Lambda functions to log any findings in Amazon CloudWatch and send email notifications to administrators.

Answer: A

Amazon EventBridge (Amazon CloudWatch Events) rule to publish a message to an Amazon Simple Notification Service (Amazon SNS) topic to notify administrators by email

NO.15 A company wants to migrate its 1 PB on-premises image repository to AWS. The images will be used by a serverless web application Images stored in the repository are rarely accessed, but they must be immediately available Additionally, the images must be encrypted at rest and protected from accidental deletion

Which solution meets these requirements?

A. Implement client-side encryption and store the images in an Amazon S3 Glacier vault Set a vault lock to prevent accidental deletion

B. Store the images in an Amazon S3 bucket in the S3 Standard-Infrequent Access (S3 Standard-IA) storage class Enable versioning default encryption and MFA Delete on the S3 bucket.

C. Store the images in an Amazon FSx for Windows File Server file share Configure the Amazon FSx file share to use an AWS Key Management Service (AWS KMS) customer master key (CMK) to encrypt the images in the file share Use NTFS permission sets on the images to prevent accidental deletion

D. Store the images in an Amazon Elastic File System (Amazon EFS) file share in the Infrequent Access storage class Configure the EFS file share to use an AWS Key Management Service (AWS KMS) customer master key (CMK) to encrypt the images in the file share. Use NFS permission sets on the images to prevent accidental deletion

Answer: B

NO.16 A company hosts a data lake on AWS. The data lake consists of data in Amazon S3 and Amazon RDS for PostgreSQL. The company needs a reporting solution that provides data visualization and includes all the data sources within the data lake. Only the company's management team should have full access to all the visualizations. The rest of the company should have only limited access.

Which solution will meet these requirements?

A. Create an AWS Glue table and crawler for the data in Amazon S3. Create an AWS Glue extract, transform, and load (ETL) job to produce reports. Publish the reports to Amazon S3. Use S3 bucket policies to limit access to the reports.

B. Create an AWS Glue table and crawler for the data in Amazon S3. Use Amazon Athena Federated Query to access data within Amazon RDS for PoslgreSQL. Generate reports by using Amazon Athena.

C. Create an analysis in Amazon QuickSight. Connect all the data sources and create new datasets. Publish dashboards to visualize the data. Share the dashboards with the appropriate IAM roles.

D. Create an analysis in Amazon OuickSighl. Connect all the data sources and create new datasets. Publish dashboards to visualize the data. Share the dashboards with the appropriate users and groups.

Answer: B

Publish the reports to Amazon S3. Use S3 bucket policies to limit access to the reports.

NO.17 A company runs a fleet of web servers using an Amazon RDS for PostgreSQL DB instance After a routine compliance check, the company sets a standard that requires a recovery pant objective

(RPO) of less than 1 second for all its production databases.
Which solution meets these requirement?
A. Enable auto scaling for the OB instance m one Availability Zone.
B. Configure the 06 instance m one Availability Zone, and configure AWS Database Migration Service (AWS DMS) change data capture (CDC) lacks
C. Enable a Multi-AZ deployment for the DB Instance
D. Configure the 06 instance in one Availability Zone and create multiple read replicas in a separate Availability Zone
Answer: C

NO.18 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 a Docker container to use instead of an EC2 instance. 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.
B. Create an Amazon EventBridge (Amazon CloudWatch Events) rule for each SaaS source to send output data. Configure the S3 bucket as the rule's target. Create a second EventBridge (CloudWatch Events) rule to send events when the upload to the S3 bucket is complete. Configure an Amazon Simple Notification Service (Amazon SNS) topic as the second rule's target.
C. Create an Auto Scaling group so that EC2 instances can scale out. 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 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.
Answer: A

NO.19 A company runs a stateless web application in production on a group of Amazon EC2 On-Demand Instances behind an Application Load Balancer. The application experiences heavy usage during an 8-hour period each business day. Application usage is moderate and steady overnight Application usage is low during weekends.
The company wants to minimize its EC2 costs without affecting the availability of the application.
Which solution will meet these requirements?
A. Use On-Demand Instances for the baseline level of usage. Use Spot Instances for any additional capacity that the application needs
B. Use Reserved instances for the baseline level of usage Use Spot Instances for any additional capacity that the application needs.
C. Use Dedicated Instances for the baseline level of usage. Use On-Demand Instances for any additional capacity that the application needs

D. Use Spot Instances for the entire workload.
Answer: B

NO.20 A web application must send order data to Amazon S3 to support near-time processing. A solutions architect needs to create an architecture that is scalable and fault tolerant.
Which solutions meet these requirements? (Select TWO.)
Write the order event to an Amazon DynamoDB table DynamoDB table. Use Amazon DynamoDB
A. Write the order event to an Amazon Simple Notification Service (Amazon SNS) topic. Use an Amazon EventBridge (Amazon CloudWatch Events) rule to invoke an AWS Lambda function that parses the payload and writes the data to Amazon S3.
B. Write the order event to an Amazon Simple Queue (Amazon SQS) queue. Use an Amazon EventBridge (Amazon CloudWatch Events) rule to invoke an AWS Lambda function that parses the payload and writes the data to Amazon S3.
C. Write the order event to an Amazon Simple Queue Service (Amazon SQS) queue. Use the queue to invoke an AWS Lambda function that parses the payload and writes the data to Amazon S3.
D. Streams to invoke an AWS Lambda function that parses the payload and writes the data to Amazon S3.
Answer: C,D

NO.21 A company hosts a two-tier application on Amazon EC2 instances and Amazon RDS. The application's demand varies based on the time of day. The load is minimal after work hours and on weekends. The EC2 instances run in an EC2 Auto Scaling group that is configured with a minimum of two instances and a maximum of five instances. The application must be available at all times, but the company is concerned about overall cost.
Which solution meets the availability requirement MOST cost-effectively?
A. Purchase two EC2 Reserved Instances Use up to three additional EC2 Spot Instances as needed. Stop the RDS database when it is not in use.
B. Use all EC2 Spot Instances. Stop the RDS database when it is not in use.
C. Purchase EC2 Instance Savings Plans to cover two EC2 instances. Use up to three additional EC2 On-Demand Instances as needed. Purchase an RDS Reserved DB Instance.
D. Purchase EC2 Instance Savings Plans to cover five EC2 instances. Purchase an RDS Reserved DB Instance
Answer: C

NO.22 An online learning company is migrating to the AWS Cloud. The company maintains its student records in a PostgreSQL database. The company needs a solution in which its data is available and online across multiple AWS Regions at all times.
Which solution will meet these requirements with the LEAST amount of operational overhead?
A. Migrate the PostgreSQL database to an Amazon RDS for PostgreSQL DB instance Create a read replica in another Region
B. Migrate the PostgreSQL database to an Amazon RDS for PostgreSQL DB instance Set up DB snapshots to be copied to another Region.
C. Migrate the PostgreSQL database to a PostgreSQL cluster on Amazon EC2 instances
D. Migrate the PostgreSQL database to an Amazon RDS for PostgreSQL DB instance with the Multi-AZ

feature turned on
Answer: A

NO.23 A mobile gaming company runs application servers on Amazon EC2 instances. The servers receive updates from players every 15 minutes. The mobile game creates a JSON object of the progress made in the game since the last update and sends the JSON object to an Application Load Balancer As the mobile game is played game updates are being lost. The company wants to create a durable way to get the updates in order
What should a solutions architect recommend to decouple the system?
A. Use Amazon Simple Notification Service (Amazon SNS) to capture the data and EC2 instances to process the messages sent to the Application Load Balancer
B. Use Amazon Kinesis Data Streams to capture the data and store the JSON object in Amazon S3
C. Use Amazon Kinesis Data Firehose to capture the data and store the JSON object in Amazon S3
D. Use Amazon Simple Queue Service (Amazon SQS) FIFO queues to capture the data and EC2 instances to process the messages in the queue
Answer: D

NO.24 A weather forecasting company needs to process hundreds of gigabytes of data with sub-mill (second latency. The company has a high performance computing (HPC) environment in its data center and wants to expand its forecasting capabilities
A solutions architect must identify a highly available cloud storage solution that can handle large amounts of sustained throughput Files that are stored in the solution should be accessible to thousands of compute instances that will simultaneously access and process the entire dataset
What should the solutions architect do to meet these requirements?
A. Use Amazon FSx for Lustre persistent file systems
B. Use Amazon Elastic File System (Amazon EFS) with Provisioned Throughput mode
C. Use Amazon Elastic File System (Amazon EFS) with Bursting Throughput mode
D. Use Amazon FSx for Lustre scratch file systems.
Answer: C

NO.25 A developer has a script lo generate daily reports that users previously ran manually The script consistently completes in under 10 minutes The developer needs to automate this process in a cost-effective manner.
Which combination of services should the developer use? (Select TWO.)
A. AWS CloudTrail
B. Cron on an Amazon EC2 instance
C. AWS Lambda
D. Amazon EC2 On-Demand Instance with user data
E. Amazon EventBridge {Amazon CloudWatch Events)
Answer: C,E

NO.26 A company is developing a new machine learning (ML) model solution on AWS. The models are developed as independent microservices that fetch approximately 1GB of model data from Amazon S3 at startup and load the data into memory Users access the models through an

asynchronous API Users can send a request or a batch of requests and specify where the results should be sent
The company provides models to hundreds of users. The usage patterns for the models are irregular. Some models could be unused for days or weeks Other models could receive batches of thousands of requests at a time
Which design should a solutions architect recommend to meet these requirements?
A. Direct the requests from the API into an Amazon Simple Queue Service (Amazon SQS) queue Deploy the models as AWS Lambda functions that are invoked by SQS events Use AWS Auto Scaling to increase the number of vCPUs for the Lambda functions based on the SQS queue size
B. Direct the requests from the API to an Application Load Balancer (ALB). Deploy the models as Amazon Elastic Container Service (Amazon ECS) services that read from an Amazon Simple Queue Service (Amazon SQS) queue Use AWS App Mesh to scale the instances of the ECS cluster based on the SQS queue size
C. Direct the requests from the API to a Network Load Balancer (NLB) Deploy the models as AWS Lambda functions that are invoked by the NLB.
D. Direct the requests from the API into an Amazon Simple Queue Service (Amazon SQS) queue Deploy the models as Amazon Elastic Container Service (Amazon ECS) services that read from the queue Enable AWS Auto Scaling on Amazon ECS for both the cluster and copies of the service based on the queue size
Answer: A

NO.27 A company wants to provide users with access lo AWS resources. The company has 1.500 users and manages their access to on-premises resources through Active Directory user groups on the corporate network However, the company does not want users to have to maintain another identity to access the resources A solutions architect must manage user access to the AWS resources while preserving access to the on-premises resources
What should the solutions architect do to meet these requirements?
A. Use Amazon Cognito with an Active Directory user pool Create rotes with the appropriate policies attached
B. Create an IAM user for each user in the company Attach the appropriate policies to each user
C. Configure Security Assertion Markup Language (SAML) 2 0-based federation Create roles with the appropriate policies attached Map the roles to the Active Directory groups
D. Define cross-account roles with the appropriate policies attached Map the roles to the Active Directory groups
Answer: C

NO.28 A company's order fulfillment service uses a MySQL database The database needs to support a large number of concurrent queries and transactions Developers are spending time patching and tuning the database This is causing delays in releasing new product features
The company wants to use cloud-based services to help address this new challenge The solution must allow the developers to migrate the database with little or no code changes and must optimize performance
Which service should a solutions architect use to meet these requirements'?
A. Amazon Aurora

B. Amazon ElastiCache
C. MySQL on Amazon EC2
D. Amazon DynamoDB
Answer: A
Explanation:
Amazon Aurora is manage DB and support MySQL database.
https://aws.amazon.com/rds/aurora/?aurora-whats-new.sort-by=item.additionalFields.postDateTime&aurora-whats-new.sort-order=desc

NO.29 A company hosts an application on AWS. The application uses AWS Lambda functions and stores data in Amazon DynamoDB tables. The Lambda functions are connected to a VPC that does not have internet access.
The traffic to access DynamoDB must not travel across the internet. The application must have write access to only specific DynamoDB tables.
Which combination of steps should a solutions architect take to meet these requirements? (Select TWO.)
A. Attach a VPC endpoint policy for DynamoDB to allow write access to only the specific DynamoDB tables.
B. Create a resource-based 1AM policy to grant write access to only the specific DynamoDB tables. Attach the policy to the DynamoDB tables.
C. Create an interface VPC endpoint for DynamoDB that is associated with the Lambda VPC. Ensure that the Lambda execution role can access the interface VPC endpoint.
D. Create a gateway VPC endpoint for DynamoDB that is associated with the Lambda VPC. Ensure that the Lambda execution role can access the gateway VPC endpoint.
E. Attach a security group to the interface VPC endpoint to allow write access to only the specific DynamoDB tables.
Answer: A,C

NO.30 A company has two VPCs that are located in the us-west-2 Region within the same AWS account. The company needs to allow network traffic between these VPCs. Approximately 500 GB of data transfer will occur between the VPCs each month.
What is the MOST cost-effective solution to connect these VPCs'?'
A. Set up a 1 GB AWS Direct Connect connection between the VPCs. Update the route tables of each VPC to use the Direct Connect connection for inter-VPC communication.
B. Set up a VPC peering connection between the VPCs. Update the route tables of each VPC to use the VPC peering connection for inter-VPC communication.
C. Implement an AWS Site-to-Stte VPN tunnel between the VPCs. Update the route tables of each VPC to use the VPN tunnel for inter-VPC communication
D. Implement AWS Transit Gateway to connect the VPCs Update the route tables of each VPC to use the transit gateway for inter-VPC communication
Answer: B