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Amazon SAA-C03 certification exam consists of 65 multiple-choice questions that need to be answered within 130 minutes. SAA-C03 exam covers a wide range of topics, including AWS core services, security, database services, networking, and deployment and management. SAA-C03 exam is available in multiple languages, including English, Japanese, Korean, and Simplified Chinese.

To pass the Amazon SAA-C03 exam, candidates need to demonstrate their expertise in various areas such as designing resilient architectures, selecting appropriate AWS services to meet specific requirements, implementing cost optimization strategies, and securing AWS resources. AWS Certified Solutions Architect - Associate certification exam is an excellent way for IT professionals to showcase their skills and expertise in AWS, which is one of the leading cloud computing platforms in the world. Passing the SAA-C03 Exam can open up many job opportunities in the field of cloud computing and can help professionals advance their careers in this rapidly growing industry.

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The SAA-C03 exam is designed to validate a candidate's technical expertise in AWS services and their ability to design and deploy scalable and fault-tolerant systems on AWS. Candidates who Pass SAA-C03 Exam will demonstrate their ability to design and deploy robust and scalable systems on AWS, which is highly valued by employers.

Amazon AWS Certified Solutions Architect - Associate Sample Questions (Q476-Q481):

NEW QUESTION # 476
A company has launched an Amazon RDS for MySQL D6 instance Most of the connections to the database come from serverless applications. Application traffic to the database changes significantly at random intervals At limes of high demand, users report that their applications experience database connection rejection errors.

Which solution will resolve this issue with the LEAST operational overhead?

- A. Configure Multi-AZ for the DB instance Configure the users' application to switch between the DB instances.
- B. Deploy Amazon ElastCache for Memcached between the users' application and the DB instance
- C. Create a proxy in RDS Proxy Configure the users' applications to use the DB instance through RDS Proxy
- D. Migrate the DB instance to a different instance class that has higher I/O capacity. Configure the users' applications to use the new DB instance.

Answer: C

Explanation:
Many applications, including those built on modern serverless architectures, can have a large number of open connections to the database server and may open and close database connections at a high rate, exhausting database memory and compute resources. Amazon RDS Proxy allows applications to pool and share connections established with the database, improving database efficiency and application scalability. (https://aws.amazon.com/pt/rds/proxy/)

NEW QUESTION # 477
A robotics company is designing a solution for medical surgery The robots will use advanced sensors, cameras, and AI algorithms to perceive their environment and to complete surgeries.
The company needs a public load balancer in the AWS Cloud that will ensure seamless communication with backend services. The load balancer must be capable of routing traffic based on the query strings to different target groups. The traffic must also be encrypted Which solution will meet these requirements?

- A. Use an Application Load Balancer with a certificate attached from AWS Certificate Manager (ACM). Use query parameter-based routing.
- B. Use a Network Load Balancer. Import a generated certificate in AWS Identity and Access Management (1AM). Attach the certificate to the load balancer. Use query parameter-based routing.
- C. Use a Network Load Balancer with a certificate attached from AWS Certificate Manager (ACM) Use query parameter-based routing
- D. Use a Gateway Load Balancer. Import a generated certificate in AWS Identity and Access Management (1AM). Attach the certificate to the load balancer. Use HTTP path-based routing.

Answer: A

Explanation:
Understanding the Requirement: The robotics company needs a public load balancer to ensure seamless communication with backend services, route traffic based on query strings, and encrypt traffic.
Analysis of Options:
Network Load Balancer with ACM Certificate: NLBs primarily operate at the transport layer (Layer 4) and do not natively support query parameter-based routing, which is a Layer 7 feature.
Gateway Load Balancer with IAM Certificate: Gateway Load Balancers are designed for deploying, scaling, and managing third-party virtual appliances and do not support HTTP path-based or query parameter-based routing.
Application Load Balancer with ACM Certificate: ALBs operate at the application layer (Layer 7), supporting features like query parameter-based routing and SSL/TLS termination with ACM certificates.
Network Load Balancer with IAM Certificate: As with the first option, NLBs do not support query parameter-based routing, making it unsuitable for this requirement.
Best Solution:
Application Load Balancer with ACM Certificate: This option provides the necessary Layer 7 routing capabilities and SSL/TLS termination to meet the requirements for query parameter-based routing and encrypted communication.
Reference:
Application Load Balancer
AWS Certificate Manager

NEW QUESTION # 478
A company is hosting a web application on AWS using a single Amazon EC2 instance that stores user-uploaded documents in an Amazon EBS volume. For better scalability and availability, the company duplicated the architecture and created a second EC2 instance and EBS volume in another Availability Zone placing both behind an Application Load Balancer After completing this change, users reported that, each time they refreshed the website, they could see one subset of their documents or the other, but never all of the documents at the same time.

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

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

Answer: B

Explanation:
https://docs.aws.amazon.com/efs/latest/ug/how-it-works.html#how-it-works-ec2

NEW QUESTION # 479
[Design High-Performing Architectures]
A company wants to measure the effectiveness of its recent marketing campaigns. The company performs batch processing on csv files of sales data and stores the results in an Amazon S3 bucket once every hour. The S3 bi petabytes of objects. The company runs one-time queries in Amazon Athena to determine which products are most popular on a particular date for a particular region Queries sometimes fail or take longer than expected to finish.
Which actions should a solutions architect take to improve the query performance and reliability? (Select TWO.)

- A. Reduce the S3 object sizes to less than 126 MB
- B. Use Amazon Kinosis Data Analytics to run the Queries as pan of the batch processing operation
- C. Use an AWS duo extract, transform, and load (ETL) process to convert the csv files into Apache Parquet format.
- D. Partition the data by date and region n Amazon S3
- E. Store the files as large, single objects in Amazon S3.

Answer: C,D

Explanation:
https://aws.amazon.com/blogs/big-data/top-10-performance-tuning-tips-for-amazon-athena/ This solution meets the requirements of measuring the effectiveness of marketing campaigns by performing batch processing on csv files of sales data and storing the results in an Amazon S3 bucket once every hour. An AWS duo ETL process can use services such as AWS Glue or AWS Data Pipeline to extract data from S3, transform it into a more efficient format such as Apache Parquet, and load it back into S3. Apache Parquet is a columnar storage format that can improve the query performance and reliability of Athena by reducing the amount of data scanned, improving compression ratio, and enabling predicate pushdown.

NEW QUESTION # 480
[Design High-Performing Architectures]
A company is building a new dynamic ordering website. The company wants to minimize server maintenance and patching. The website must be highly available and must scale read and write capacity as quickly as possible to meet changes in user demand.
Which solution will meet these requirements?

- A. Host at the website content on Amazon EC2 instances Create an Auto Scaling group to scale the EC2 instances Use an Application Load Balancer to distribute traffic Use Amazon Aurora with Aurora Auto Scaling for the database
- B. Host static content in Amazon S3 Host dynamic content by using Amazon API Gateway and AWS Lambda Use Amazon Aurora with Aurora Auto Scaling for the database Configure Amazon CloudFront to deliver the website content
- C. Host static content in Amazon S3 Host dynamic content by using Amazon API Gateway and AWS Lambda Use Amazon DynamoDB with on-demand capacity for the database Configure Amazon CloudFront to deliver the website content
- D. Host al the website content on Amazon EC2 instances Create an Auto Scaling group to scale the EC2 Instances Use an Application Load Balancer to distribute traffic Use Amazon DynamoDB with provisioned write capacity for the database

Answer: C

Explanation:
Key phrase in the Question is must scale read and write capacity. Aurora is only for Read. Amazon DynamoDB has two read/write capacity modes for processing reads and writes on your tables: On-demand Provisioned (default, free-tier eligible)https://docs.aws.amazon.com/amazondynamodb/latest/developerguide/HowItWorks.ReadWriteCapacityMode.html

NEW QUESTION # 481

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