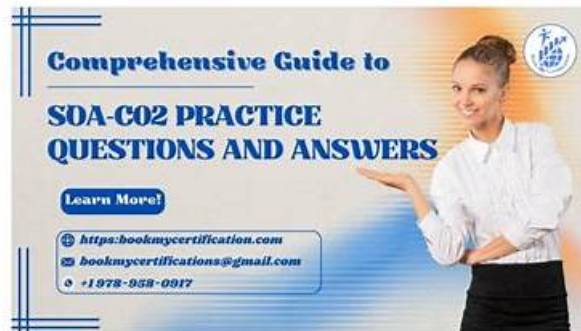


Answers SOA-C02 Free & New SOA-C02 Test Voucher

A Comprehensive Guide to SOA-C02 Practice Questions and Answers



Are you gearing up to take the AWS Certified SysOps Administrator - Associate (SOA-C02) exam? If so, you are in the proper location. More than just academic proficiency is needed to succeed on this difficult certification exam; instead, advance preparation is required. In this article, we'll explore the vital role that [SOA-C02 practice questions](#) play in your journey to AWS certification success.

The Importance of Practice Questions:SOA-C02 practice questions are invaluable tools for several reasons. They mimic the format and style of the actual exam, providing a realistic testing experience. Moreover, they allow you to assess your current knowledge, identify weak areas, and track your progress over time.

Choosing the Right Practice Questions:Not all practice questions are created equal. It's essential to select reputable sources that offer up-to-date, relevant, and accurate questions. We'll discuss some trusted platforms and resources for accessing SOA-C02 practice questions.

Incorporating Practice Questions into Your Study Plan:To make the most of SOA-C02 practice questions, you need a structured study plan. We'll outline a step-by-step approach to effectively integrate these questions into your preparation routine.

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Amazon AWS Certified SysOps Administrator - Associate (SOA-C02) Sample Questions (Q489-Q494):

NEW QUESTION # 489

A SysOps administrator is deploying an application on 10 Amazon EC2 instances. The application must be highly available. The instances must be placed on distinct underlying hardware.

What should the SysOps administrator do to meet these requirements?

- A. Launch the instances into a cluster placement group in a single AWS Region.
- B. Launch the instances into a spread placement group in multiple AWS Regions.
- C. Launch the instances into a partition placement group in multiple AWS Regions.
- **D. Launch the instances into a spread placement group in single AWS Region**

Answer: D

Explanation:

To ensure high availability and that instances are placed on distinct underlying hardware, a spread placement group should be used. Spread placement groups place instances on distinct hardware, reducing the risk of simultaneous failures.

* Create Spread Placement Group:

* Open the EC2 console at Amazon EC2 Console.

* Navigate to Placement Groups in the sidebar.

* Click Create placement group and select Spread for the strategy.

* Launch Instances:

* When launching new instances, select the placement group you created.

* Ensure the instances are in the same AWS Region but spread across distinct hardware.

* Verify Placement:

* After launching, verify that the instances are in the spread placement group by checking the instance details in the console.

Placement Groups

Creating a Spread Placement Group

NEW QUESTION # 490

A SysOps administrator is designing a solution for an Amazon RDS for PostgreSQL DB instance. Database credentials must be stored and rotated monthly. The applications that connect to the DB instance send write-intensive traffic with variable client connections that sometimes increase significantly in a short period of time.

Which solution should a SysOps administrator choose to meet these requirements?

- A. Configure AWS Secrets Manager to automatically rotate the credentials for the DB instance. Use RDS read replicas to handle the increases in database connections.
- B. Configure AWS Key Management Service (AWS KMS) to automatically rotate the keys for the DB instance. Use RDS Proxy to handle the increases in database connections.
- C. Configure AWS Key Management Service (AWS KMS) to automatically rotate the keys for the DB instance. Use RDS read replicas to handle the increases in database connections.
- **D. Configure AWS Secrets Manager to automatically rotate the credentials for the DB instance. Use RDS Proxy to handle the increases in database connections.**

Answer: D

Explanation:

To meet the requirements of storing and rotating database credentials monthly and handling write-intensive traffic with variable client connections, you can use AWS Secrets Manager and Amazon RDS Proxy.

* AWS Secrets Manager for Credential Rotation:

* Open the AWS Secrets Manager console at AWS Secrets Manager Console.

* Store the database credentials as a new secret and configure automatic rotation for every 30 days.

* AWS Secrets Manager will handle the rotation process and update the secret with new credentials.

- * Amazon RDS Proxy for Connection Management:
- * Open the Amazon RDS console at Amazon RDS Console.
- * Create an RDS Proxy for the PostgreSQL DB instance.
- * Configure the proxy to handle the connection pooling and manage the connections efficiently.
- * The proxy will help manage the database connections, reduce the overhead on the database, and improve performance during peak loads.

This solution ensures that database credentials are securely stored and rotated automatically while handling increased database connections effectively.

AWS Secrets Manager

Using AWS Secrets Manager to Rotate Amazon RDS Database Credentials

Amazon RDS Proxy

NEW QUESTION # 491

A company's security policy states that connecting to Amazon EC2 instances is not permitted through SSH and RDP. If access is required, authorized staff can connect to instances by using AWS Systems Manager Session Manager.

Users report that they are unable to connect to one specific Amazon EC2 instance that is running Ubuntu and has AWS Systems Manager Agent (SSM Agent) pre-installed. These users are able to use Session Manager to connect to other instances in the same subnet, and they are in an IAM group that has Session Manager permission for all instances.

What should a SysOps administrator do to resolve this issue?

- **A. Assign the AmazonSSMManagedInstanceCore managed policy to the EC2 instance profile for the Ubuntu instance.**
- B. Generate a new key pair, configure Session Manager to use this new key pair, and provide the private key to the users.
- C. Configure the SSM Agent to log in with a user name of "ubuntu".
- D. Add an inbound rule for port 22 in the security group associated with the Ubuntu instance.

Answer: A

Explanation:

If users are unable to connect to a specific Ubuntu EC2 instance using AWS Systems Manager Session Manager while other instances are accessible, the issue is likely due to IAM permissions:

* Instance Profile Permissions: Ensure that the EC2 instance has the necessary IAM permissions to interact with Systems Manager.

The AmazonSSMManagedInstanceCore managed policy includes

* permissions required for the SSM Agent on the instance to communicate with the AWS Systems Manager service.

* Attach Managed Policy: Attach the AmazonSSMManagedInstanceCore policy to the IAM role that is associated with the Ubuntu instance's instance profile. This step is crucial as it authorizes the instance to use Systems Manager services, including Session Manager.

* Verify Configuration and Connectivity: After updating the instance profile, verify that users can connect via Session Manager. This solution does not require any changes to network security settings like security groups.

By ensuring that the instance has the appropriate IAM permissions, you resolve issues related to access control and Systems Manager functionality, allowing authorized personnel to connect securely without using SSH or RDP.

NEW QUESTION # 492

A company runs an application on Amazon EC2 instances behind an Application Load Balancer.

The EC2 instances are in an Auto Scaling group. The application sometimes becomes slow and unresponsive. Amazon CloudWatch metrics show that some EC2 instances are experiencing high CPU load.

A SysOps administrator needs to create a CloudWatch dashboard that can automatically display CPU metrics of all the EC2 instances. The metrics must include new instances that are launched as part of the Auto Scaling group.

What should the SysOps administrator do to meet these requirements in the MOST operationally efficient way?

- A. Create a CloudWatch dashboard. Use activity notifications from the Auto Scaling group to invoke a custom AWS Lambda function. Use the Lambda function to update the CloudWatch dashboard to monitor the CPUUtilization metric for the new instance IDs.
- B. Create a CloudWatch dashboard. Run a custom script on each EC2 instance to stream the CPU utilization to the dashboard.
- C. Use CloudWatch metrics explorer to filter by instance state and to create a visualization for the CPUUtilization metric. Add the visualization to a CloudWatch dashboard.
- **D. Use CloudWatch metrics explorer to filter by the aws:autoscaling:groupName tag and to create a visualization for the CPUUtilization metric. Add the visualization to a CloudWatch dashboard.**

Answer: D

Explanation:

<https://aws.amazon.com/about-aws/whats-new/2020/11/amazon-cloudwatch-launches-metrics-explorer/>

NEW QUESTION # 493

While setting up an AWS managed VPN connection, a SysOps administrator creates a customer gateway resource in AWS. The customer gateway device resides in a data center with a NAT gateway in front of it. What address should be used to create the customer gateway resource?

- A. The private IP address of the customer gateway device
- **B. The public IP address of the NAT device in front of the customer gateway device**
- C. The MAC address of the NAT device in front of the customer gateway device
- D. The public IP address of the customer gateway device

Answer: B

Explanation:

When setting up an AWS managed VPN connection and creating a customer gateway resource, if the customer gateway device resides behind a NAT device, you should use the public IP address of the NAT device. This is because the VPN connection from AWS will be established to the public IP address that AWS can reach.

* Identify the Public IP Address of the NAT Device:

* Determine the public IP address assigned to the NAT device in front of the customer gateway.

* Create Customer Gateway Resource:

* Navigate to the VPC console in the AWS Management Console.

* In the navigation pane, choose "Customer Gateways" and then click "Create Customer Gateway".

* Enter a name for the customer gateway.

* For the "IP Address", enter the public IP address of the NAT device.

* Configure VPN Connection:

* Create a VPN connection by navigating to the "VPN Connections" section and clicking "Create VPN Connection".

* Select the created customer gateway and complete the VPN setup wizard.

* Update Routing and Configuration:

* Ensure that the routing configurations on both the AWS side and the on-premises side are updated to route traffic through the VPN connection.

* Configure the customer gateway device (behind the NAT) to accept traffic from the NAT device and route it appropriately.

AWS Managed VPN Connections

Customer Gateway Resource

NEW QUESTION # 494

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