

Amazon SOA-C02 Valid Test Question - SOA-C02 Reliable Study Materials

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Amazon AWS Certified SysOps Administrator - Associate (SOA-C02) Sample Questions (Q325-Q330):

NEW QUESTION # 325

A company hosts its website on Amazon EC2 instances behind an Application Load Balancer. The company manages its DNS with Amazon Route 53, and wants to point its domain's zone apex to the website.

Which type of record should be used to meet these requirements?

- A. An AAAA record for the domain's zone apex
- B. A CNAME record for the domain's zone apex
- C. An A record for the domain's zone apex
- D. An alias record for the domain's zone apex

Answer: D

Explanation:

Reference:

<https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/resource-record-sets-choosing-alias-non-alias.html>

<https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/routing-to-elb-load-balancer.html>

NEW QUESTION # 326

A company has set up an IPsec tunnel between its AWS environment and its on-premises data center. The tunnel is reporting as UP, but the Amazon EC2 instances are not able to ping any on-premises resources.

What should a SysOps administrator do to resolve this issue?

- A. Create a new inbound rule on the EC2 instances' security groups to allow ICMP traffic from the on-premises CIDR.
- B. Modify the VPC's DHCP options set. Add the IPsec tunnel to the VPN section.
- C. Create a peering connection between the IPsec tunnel and the subnet of the EC2 instances.
- D. Enable route propagation for the virtual private gateway in the route table that is assigned to the subnet of the EC2 instances.

Answer: A

Explanation:

https://docs.aws.amazon.com/vpc/latest/userguide/VPC_SecurityGroups.html

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Amazon SOA-C02 Exam is designed for individuals who want to become certified AWS Certified SysOps Administrators at the associate level. AWS Certified SysOps Administrator - Associate (SOA-C02) certification validates an individual's ability to deploy, manage, and operate highly available, fault-tolerant, and scalable systems on AWS. SOA-C02 exam is the successor to the SOA-C01 exam and is designed to test the latest AWS services and best practices.

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Amazon AWS Certified SysOps Administrator - Associate (SOA-C02) Sample Questions (Q640-Q645):

NEW QUESTION # 640

A company has a public website that recently experienced problems. Some links led to missing webpages, and other links rendered incorrect webpages. The application infrastructure was running properly, and all the provisioned resources were healthy. Application logs and dashboards did not show any errors, and no monitoring alarms were raised. Systems administrators were not aware of any problems until end users reported the issues.

The company needs to proactively monitor the website for such issues in the future and must implement a solution as soon as possible.

Which solution will meet these requirements with the LEAST operational overhead?

- A. Rewrite the application to surface a custom error to the application log when issues occur. Automatically parse logs for errors. Create an Amazon CloudWatch alarm to provide alerts when issues are detected.
- **B. Create an Amazon CloudWatch Synthetics canary. Use the CloudWatch Synthetics Recorder plugin to generate the script for the canary run. Configure the canary in line with requirements. Create an alarm to provide alerts when issues are detected.**
- C. Create an AWS Lambda function to test the website. Configure the Lambda function to emit an Amazon CloudWatch custom metric when errors are detected. Configure a CloudWatch alarm to provide alerts when issues are detected.
- D. In the Amazon CloudWatch console, turn on Application Insights. Create a CloudWatch alarm to provide alerts when an issue is detected.

Answer: B

Explanation:

Canaries are scripts written in Node.js or Python.

They create Lambda functions in your account that use Node.js or Python as a framework.

Canaries work over both HTTP and HTTPS protocols, which makes it possible for you to continually verify your customer experience even when you don't have any customer traffic on your applications. By using canaries, you can discover issues before your customers do.

https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/CloudWatch_Synthetics_Canaries.html

NEW QUESTION # 641

A company has attached the following policy to an IAM user:

□ Which of the following actions are allowed for the IAM user?

- A. Amazon EC2 AttachNetworkInterface action in the eu-west-1 Region
- B. Amazon RDS DescribeDBInstances action in the us-east-1 Region
- C. Amazon S3 PutObject operation in a bucket named testbucket

- **D. Amazon EC2 Describe Instances action in the us-east-1 Region**

Answer: D

NEW QUESTION # 642

Application A runs on Amazon EC2 instances behind a Network Load Balancer (NLB). The EC2 instances are in an Auto Scaling group and are in the same subnet that is associated with the NLB. Other applications from an on-premises environment cannot communicate with Application A on port 8080.

To troubleshoot the issue, a SysOps administrator analyzes the flow logs. The flow logs include the following records:

□ What is the reason for the rejected traffic?

- A. The security group of the EC2 instances has no Allow rule for the traffic from the NLB.
- **B. The network ACL that is associated with the subnet does not allow outbound traffic for the ephemeral port range.**
- C. The ACL of the on-premises environment does not allow traffic to the AWS environment.
- D. The security group of the NLB has no Allow rule for the traffic from the on-premises environment.

Answer: B

Explanation:

The network ACL that is associated with the subnet does not allow outbound traffic for the ephemeral port range.

<https://docs.aws.amazon.com/vpc/latest/userguide/flow-logs-records-examples.html>

NEW QUESTION # 643

A company is supposed to receive a data file every hour in an Amazon S3 bucket. An S3 event notification invokes an AWS Lambda function each time a file arrives. The function processes the data for use by an application.

The application team notices that sometimes the file does not arrive. The application team wants to receive a notification whenever the file does not arrive.

What is the MOST operationally efficient solution that meets these requirements?

- A. Create a new Lambda function to get the timestamp of the newest file in the S3 bucket. If the timestamp is more than 1 hour ago, publish a message to an Amazon Simple Notification Service (Amazon SNS) topic to notify the application team. Create an Amazon EventBridge (Amazon CloudWatch Events) rule to invoke the new function hourly.
- B. Add an S3 Lifecycle rule on the S3 bucket with a scope that is limited to objects that were created in the last hour. Configure another S3 event notification to be invoked by the lifecycle transition when the number of objects transitioned is zero. Publish a message to an Amazon Simple Notification Service (Amazon SNS) topic to notify the application team.
- **C. Create an Amazon CloudWatch alarm to publish a message to an Amazon Simple Notification Service (Amazon SNS) topic to alert the application team when the Invocations metric of the Lambda function is zero for an hour. Configure the alarm to treat missing data as breaching.**
- D. Configure another S3 event notification to invoke a Lambda function that posts a message to an Amazon Simple Queue Service (Amazon SQS) queue. Create an Amazon CloudWatch alarm to publish a message to an Amazon Simple Notification Service (Amazon SNS) topic to notify the application team when the ApproximateAgeOfOldestMessage metric of the queue is greater than 1 hour.

Answer: C

NEW QUESTION # 644

A company decides to stop non-production Amazon EC2 instances during the EC2 instances.

The company's IT manager must receive notification in near real time whenever an EC2 instance that has an environment type tag value of non-production is started during the night.

Which solution will meet this requirement with the MOST operational efficiency?

- A. Store the EC2 instance metadata, including the environment type, in an Amazon DynamoDB table. Deploy a custom application to an EC2 instance. Configure the custom application to poll the DynamoDB data every minute during the night and to query the Amazon EC2 API to determine the state of each instance. Additionally, configure the custom application to send an email notification to the IT manager for each non-production EC2 instance that is in the running state.
- B. Deploy an AWS Lambda function that queries the Amazon EC2 API to determine the state of each EC2 instance. Use the EC2 instance scheduler to configure the Lambda function to run every minute during the night and to send an email notification

