SAA-C03^{Q&As}

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AWS Certified Solutions Architect - Associate (SAA-C03)

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QUESTION 1

A company uses AWS Organizations with resources tagged by account. The company also uses AWS Backup to back up its AWS infrastructure resources. The company needs to back up all AWS resources.

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

A. Use AWS Config to identify all untagged resources. Tag the identified resources programmatically. Use tags in the backup plan.

B. Use AWS Config to identify all resources that are not running. Add those resources to the backup vault.

C. Require all AWS account owners to review their resources to identify the resources that need to be backed up.

D. Use Amazon Inspector to identify all noncompliant resources.

Correct Answer: A

This solution allows you to leverage AWS Config to identify any untagged resources within your AWS Organizations accounts. Once identified, you can programmatically apply the necessary tags to indicate the backup requirements for each resource. By using tags in the backup plan configuration, you can ensure that only the tagged resources are included in the backup process, reducing operational overhead and ensuring all necessary resources are backed up.

QUESTION 2

A company is hosting a three-tier ecommerce application in the AWS Cloud. The company hosts the website on Amazon S3 and integrates the website with an API that handles sales requests. The company hosts the API on three Amazon EC2 instances behind an Application Load Balancer (ALB). The API consists of static and dynamic front-end content along with backend workers that process sales requests asynchronously.

The company is expecting a significant and sudden increase in the number of sales requests during events for the launch of new products

What should a solutions architect recommend to ensure that all the requests are processed successfully?

A. Add an Amazon CloudFront distribution for the dynamic content. Increase the number of EC2 instances to handle the increase in traffic.

B. Add an Amazon CloudFront distribution for the static content. Place the EC2 instances in an Auto Scaling group to launch new instances based on network traffic.

C. Add an Amazon CloudFront distribution for the dynamic content. Add an Amazon ElastiCache instance in front of the ALB to reduce traffic for the API to handle.

D. Add an Amazon CloudFront distribution for the static content. Add an Amazon Simple Queue Service (Amazon SOS) queue to receive requests from the website for later processing by the EC2 instances.

Correct Answer: D

An SQS queue acts as a buffer between the frontend (website) and backend (API). Web requests can dump messages into the queue at a high throughput, then the queue handles delivering those messages to the API at a controlled rate that it can sustain. This prevents the API from being overwhelmed.

QUESTION 3

A company hosts multiple production applications. One of the applications consists of resources from Amazon EC2, AWS Lambda, Amazon RDS, Amazon Simple Notification Service (Amazon SNS), and Amazon Simple Queue Service (Amazon SQS) across multiple AWS Regions. All company resources are tagged with a tag name of "application" and a value that corresponds to each application. A solutions architect must provide the quickest solution for identifying all of the tagged components.

Which solution meets these requirements?

A. Use AWS CloudTrail to generate a list of resources with the application tag.

B. Use the AWS CLI to query each service across all Regions to report the tagged components.

C. Run a query in Amazon CloudWatch Logs Insights to report on the components with the application tag.

D. Run a query with the AWS Resource Groups Tag Editor to report on the resources globally with the application tag.

Correct Answer: D

https://docs.aws.amazon.com/tag-editor/latest/userguide/tagging.html

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QUESTION 4

A company has a production workload that is spread across different AWS accounts in various AWS Regions. The company uses AWS Cost Explorer to continuously monitor costs and usage. The company wants to receive notifications when the cost and usage spending of the workload is unusual.

Which combination of steps will meet these requirements? (Select TWO.)

A. In the AWS accounts where the production workload is running, create a linked account budget by using Cost Explorer in the AWS Cost Management console

B. In ys AWS accounts where the production workload is running, create a linked account monitor by using AWS Cost Anomaly Detection in the AWS Cost Management console

C. In the AWS accounts where the production workload is running, create a Cost and Usage Report by using Cost Anomaly Detection in the AWS Cost Management console.

D. Create a report and send email messages to notify the company on a weekly basis.

E. Create a subscription with the required threshold and notify the company by using weekly summaries.

Correct Answer: BE

AWS Cost Anomaly Detection allows you to create monitors that track the cost and usage of your AWS resources and alert you when there is an unusual spending pattern. You can create monitors based on different dimensions, such as

AWS services, accounts, tags, or cost categories. You can also create alert subscriptions that notify you by email or Amazon SNS when an anomaly is detected. You can specify the threshold and frequency of the alerts, and choose to

receive weekly summaries of your anomalies.

Reference URLs:

1 https://aws.amazon.com/aws-cost-management/aws-cost-anomaly-detection/ 2 https:// docs.aws.amazon.com/cost-management/latest/userguide/getting-started-ad.html 3 https:// docs.aws.amazon.com/cost-management/latest/userguide/

manage-ad.html

QUESTION 5

A company deploys Amazon EC2 instances that run in a VPC. The EC2 instances load source data into Amazon S3 buckets so that the data can be processed in the future. According to compliance laws, the data must not be transmitted over the public internet. Servers in the company\\'s on-premises data center will consume the output from an application that runs on the EC2 instances.

Which solution will meet these requirements?

A. Deploy an interface VPC endpoint for Amazon EC2. Create an AWS Site-to-Site VPN connection between the company and the VPC.

B. Deploy a gateway VPC endpoint for Amazon S3. Set up an AWS Direct Connect connection between the on-premises network and the VPC.

C. Set up an AWS Transit Gateway connection from the VPC to the S3 buckets. Create an AWS Site-to- Site VPN connection between the company and the VPC.

D. Set up proxy EC2 instances that have routes to NAT gateways. Configure the proxy EC2 instances to fetch S3 data and feed the application instances.

Correct Answer: B

Gateway VPC Endpoint = no internet to access S3. Direct Connect = secure access to VPC.

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