SAA-C03^{Q&As}

AWS Certified Solutions Architect - Associate (SAA-C03)

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QUESTION 1

A global video streaming company uses Amazon CloudFront as a content distribution network (CDN). The company wants to roll out content in a phased manner across multiple countries. The company needs to ensure that viewers who are outside the countries to which the company rolls out content are not able to view the content.

Which solution will meet these requirements?

A. Add geographic restrictions to the content in CloudFront by using an allow list. Set up a custom error message.

B. Set up a new URL tor restricted content. Authorize access by using a signed URL and cookies. Set up a custom error message.

C. Encrypt the data for the content that the company distributes. Set up a custom error message.

D. Create a new URL for restricted content. Set up a time-restricted access policy for signed URLs.

Correct Answer: A

https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/georestrictions.html

QUESTION 2

A company is subscribed to the AWS Business Support plan. Compliance rules require the company to check on AWS infrastructure health before deployments can proceed. The company needs a programmatic and automated way to check on infrastructure health at the beginning of new deployments.

Which solution will meet these requirements?

A. Use the AWS Trusted Advisor API at the start of each deployment. Pause all new deployments if the API returns any issues.

B. Use the AWS Health API at the start of each deployment. Pause all new deployments if the API returns any issues.

C. Query the AWS Support API at the start of each deployment. Pause all new deployments if the API returns any open issues.

D. Send an API call to each workload ahead of deployment. Pause the deployments if the API call fails.

Correct Answer: B

The AWS Health API provides programmatic access to the AWS Health information that is presented in the AWS Personal Health Dashboard. You can use the API operations to get information about AWS Health events that affect your AWS services and resources. You can also use the API to enable or disable health-based insights for your organization. You can use the AWS Health API at the start of each deployment to check on AWS infrastructure health and pause all new deployments if the API returns any issues.

References: https://docs.aws.amazon.com/health/latest/APIReference/Welcome.html

QUESTION 3

A company is deploying an application that processes streaming data in near-real time. The company plans to use Amazon EC2 instances for the workload. The network architecture must be configurable to provide the lowest possible latency between nodes.

Which combination of network solutions will meet these requirements? (Choose two.)

A. Enable and configure enhanced networking on each EC2 instance.

B. Group the EC2 instances in separate accounts.

C. Run the EC2 instances in a cluster placement group.

D. Attach multiple elastic network interfaces to each EC2 instance.

E. Use Amazon Elastic Block Store (Amazon EBS) optimized instance types.

Correct Answer: AC

QUESTION 4

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

B. 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.

C. 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.

D. 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.

Correct Answer: A

Amazon CloudFront is a web service that speeds up distribution of your static and dynamic web content

QUESTION 5

A company wants to migrate an on-premises data center to AWS. The data center hosts a storage server that stores data in an NFS-based file system. The storage server holds 200 GB of data. The company needs to migrate the data without interruption to existing services. Multiple resources in AWS must be able to access the data by using the NFS protocol.

Which combination of steps will meet these requirements MOST cost-effectively? (Choose two.)

A. Create an Amazon FSx for Lustre file system.

B. Create an Amazon Elastic File System (Amazon EFS) file system.

C. Create an Amazon S3 bucket to receive the data.

D. Manually use an operating system copy command to push the data into the AWS destination.

E. Install an AWS DataSync agent in the on-premises data center. Use a DataSync task between the on- premises location and AWS.

Correct Answer: BE

Amazon EFS provides a scalable, high performance NFS file system that can be accessed from multiple resources in AWS.

AWS DataSync can perform the migration from the on-prem NFS server to EFS without interruption to existing services.

This avoids having to manually move the data which could cause downtime. DataSync incrementally syncs changed data.

EFS and DataSync together provide a cost-optimized approach compared to using S3 or FSx, while still meeting the requirements.

Manually copying 200 GB of data to AWS would be slow and risky compared to using DataSync.

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