

➤ **Vendor: Amazon**

➤ **Exam Code: SAA-C02**

➤ **Exam Name: AWS Certified Solutions Architect - Associate (SAA-C02) Exam**

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QUESTION 263

A solutions architect is designing a multi-Region disaster recovery solution for an application that will provide public API access.

The application will use Amazon EC2 instances with a userdata script to load application code and an Amazon RDS for MySQL database.

The Recovery Time Objective (RTO) is 3 hours and the Recovery Point Objective (RPO) is 24 hours.

Which architecture would meet these requirements at the LOWEST cost?

- A. Use an Application Load Balancer for Region failover.
Deploy new EC2 instances with the userdata script.
Deploy separate RDS instances in each Region
- B. Use Amazon Route 53 for Region failover.
Deploy new EC2 instances with the userdata script.
Create a read replica of the RDS instance in a backup Region
- C. Use Amazon API Gateway for the public APIs and Region failover.
Deploy new EC2 instances with the userdata script.
Create a MySQL read replica of the RDS instance in a backup Region
- D. Use Amazon Route 53 for Region failover.
Deploy new EC2 instances with the userdata script for APIs, and create a snapshot of the RDS instance daily for a backup.
Replicate the snapshot to a backup Region

Answer: C

QUESTION 264

A solutions architect is designing a new API using Amazon API Gateway that will receive requests from users.

The volume of requests is highly variable, several hours can pass without receiving a single request.

The data processing will take place asynchronously but should be completed within a few seconds after a request is made

Which compute service should the solutions architect have the API invoke to deliver the requirements at the lowest cost?

- A. An AWS Glue job
- B. An AWS Lambda function
- C. A containerized service hosted in Amazon Elastic Kubernetes Service (Amazon EKS)
- D. A containerized service hosted in Amazon ECS with Amazon EC2

Answer: C

QUESTION 265

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A development team needs to host a website that will be accessed by other teams. The website contents consist of HTML, CSS, client side JavaScript, and images. Which method is the MOST cost-effective for hosting the website?

- A. Containerize the website and host it in AWS Fargate
- B. Create an Amazon S3 bucket and host the website there.
- C. Deploy a web server on an Amazon EC2 instance to host the website.
- D. Configure an Application Load Balancer with an AWS Lambda target that uses the Express.js framework

Answer: B

QUESTION 266

A company has media and application files that need to be shared internally. Users currently are authenticated using Active Directory and access files from a Microsoft Windows platform. The chief executive officer wants to keep the same user permissions, but wants the company to improve the process as the company is reaching its storage capacity limit. What should a solutions architect recommend?

- A. Set up a corporate Amazon S3 bucket and move media and application files.
- B. Configure Amazon FSx for Windows File Server and move all the media and application files.
- C. Configure Amazon Elastic File System (Amazon EFS) and move all media and application files.
- D. Set up Amazon EC2 on Windows, attach multiple Amazon Elastic Block Store (Amazon EBS) volumes and move all media and application files.

Answer: A

QUESTION 267

A company is moving its legacy workload to the AWS Cloud. The workload files will be shared, appended, and frequently accessed through Amazon EC2 instances when they are first created. The files will be accessed occasionally as they age. What should a solutions architect recommend?

- A. Store the data using Amazon EC2 instances with attached Amazon Elastic Block Store (Amazon EBS) data volumes
- B. Store the data using AWS Storage Gateway volume gateway and export rarely accessed data to Amazon S3 storage
- C. Store the data using Amazon Elastic File System (Amazon EFS) with lifecycle management enabled for rarely accessed data
- D. Store the data using Amazon S3 with an S3 lifecycle policy enabled to move data to S3 Standard-Infrequent Access (S3 Standard-IA)

Answer: D

QUESTION 268

A company is deploying a multi-instance application within AWS that requires minimal latency between the instances. What should a solutions architect recommend?

- A. Use an Auto Scaling group with a cluster placement group.
- B. Use an Auto Scaling group with single Availability Zone in the same AWS Region.
- C. Use an Auto Scaling group with multiple Availability Zones in the same AWS Region.
- D. Use a Network Load Balancer with multiple Amazon EC2 Dedicated Hosts as the targets

Answer: B

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QUESTION 269

A company receives structured and semi-structured data from various sources once every day. A solutions architect needs to design a solution that leverages big data processing frameworks. The data should be accessible using SQL queries and business intelligence tools. What should the solutions architect recommend to build the MOST high-performing solution?

- A. Use AWS Glue to process data and Amazon S3 to store data
- B. Use Amazon EMR to process data and Amazon Redshift to store data
- C. Use Amazon EC2 to process data and Amazon Elastic Block Store (Amazon EBS) to store data
- D. Use Amazon Kinesis Data Analytics to process data and Amazon Elastic File System (Amazon EFS) to store data

Answer: A

QUESTION 270

Company is designing a website that uses an Amazon S3 bucket to store static images. The company wants all future requests have faster response times while reducing both latency and cost. Which service configuration should a solutions architect recommend?

- A. Deploy a NAT server in front of Amazon S3.
- B. Deploy Amazon CloudFront in front of Amazon S3.
- C. Deploy a Network Load Balancer in front of Amazon S3.
- D. Configure Auto Scaling to automatically adjust the capacity of the website.

Answer: D

QUESTION 271

What should a solutions architect do to ensure that all objects uploaded to an Amazon S3 bucket are encrypted?

- A. Update the bucket policy to deny if the PutObject does not have an s3 x-amz-acl header set
- B. Update the bucket policy to deny if the PutObject does not have an s3 x-amz-acl header set to private
- C. Update the bucket policy to deny if the PutObject does not have an aws SecureTransport header set to true
- D. Update the bucket policy to deny if the PutObject does not have an x-amz-server-side-encryption header set

Answer: D

QUESTION 272

A company runs a high performance computing (HPC) workload on AWS. The workload required low- latency network performance and high network throughput with tightly coupled node-to-node communication. The Amazon EC2 instances are properly sized for compute and storage capacity, and are launched using default options. What should a solutions architect propose to improve the performance of the workload'?

- A. Choose a cluster placement group while launching Amazon EC2 instances
- B. Choose dedicated instance tenancy while launching Amazon EC2 instances
- C. Choose an Elastic Inference accelerator while launching Amazon EC2 instances
- D. Choose the required capacity reservation while launching Amazon EC2 instances.

Answer: A

QUESTION 273

A company's dynamic website is hosted using on-premises servers in the United States. The company is launching its product in Europe and it wants to optimize site loading times for new European users. The site's backend must remain in the United States. The product is being launched in a few days, and an immediate solution is needed

What should the solutions architect recommend?

- A. Launch an Amazon EC2 instance in us-east-1 and migrate the site to it
- B. Move the website to Amazon S3 Use cross-Region replication between Regions.
- C. Use Amazon CloudFront with a custom origin pointing to the on-premises servers
- D. Use an Amazon Route 53 geoproximity routing policy pointing to on-premises servers

Answer: A