

SOA-C02^{Q&As}

AWS Certified SysOps Administrator - Associate (SOA-C02)

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QUESTION 1

A company wants to reduce costs for jobs that can be completed at any time. The jobs currently run by using multiple Amazon EC2 On-Demand Instances and the jobs take slightly less than 2 hours to complete. If a job fails for any reason it

must be restarted from the beginning.

Which solution will meet these requirements MOST cost-effectively?

- A. Purchase Reserved Instances for the jobs.
- B. Submit a request for a one-time Spot Instance for the jobs.
- C. Submit a request for Spot Instances with a defined duration for the jobs.
- D. Use a mixture of On-Demand Instances and Spot Instances for the jobs.

Correct Answer: C

The name of Resource is Spot Block <https://aws.amazon.com/blogs/aws/new-ec2-spot-blocks-for-defined-duration-workloads/>

QUESTION 2

A company is migrating its production file server to AWS. All data that is stored on the file server must remain accessible if an Availability Zone becomes unavailable or when system maintenance is performed. Users must be able to interact with the file server through the SMB protocol. Users also must have the ability to manage file permissions by using Windows ACLs.

Which solution will net these requirements?

- A. Create a single AWS Storage Gateway file gateway.
- B. Create an Amazon FSx for Windows File Server Multi-AZ file system.
- C. Deploy two AWS Storage Gateway file gateways across two Availability Zones. Configure an Application Load Balancer in front of the file gateways.
- D. Deploy two Amazon FSx for Windows File Server Single-AZ 2 file systems. Configure Microsoft Distributed File System Replication (DFSR).

Correct Answer: B

<https://aws.amazon.com/fsx/windows/> <https://docs.aws.amazon.com/fsx/latest/WindowsGuide/what-is.html>

QUESTION 3

A SysOps administrator must configure a resilient tier of Amazon EC2 instances for a high performance computing (HPC) application. The HPC application requires minimum latency between nodes. Which actions should the SysOps administrator take to meet these requirements? (Select TWO.)

- A. Create an Amazon Elastic File System (Amazon EPS) file system Mount the file system to the EC2 instances by using user data
- B. Create a Multi-AZ Network Load Balancer in front of the EC2 instances
- C. Place the EC2 instances in an Auto Scaling group within a single subnet
- D. Launch the EC2 instances into a cluster placement group
- E. Launch the EC2 instances into a partition placement group

Correct Answer: CD

Cluster – packs instances close together inside an Availability Zone. This strategy enables workloads to achieve the low-latency network performance necessary for tightly-coupled node-to-node communication that is typical of high-performance computing (HPC) applications.

Ref link: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/placement-groups.html>

QUESTION 4

A data storage company provides a service that gives users the ability to upload and download files as needed. The files are stored in Amazon S3 Standard and must be immediately retrievable for 1 year. Users access files frequently during

the first 30 days after the files are stored. Users rarely access files after 30 days.

The company's SysOps administrator must use S3 Lifecycle policies to implement a solution that maintains object availability and minimizes cost.

Which solution will meet these requirements?

- A. Move objects to S3 Glacier after 30 days.
- B. Move objects to S3 One Zone-Infrequent Access (S3 One Zone-IA) after 30 days.
- C. Move objects to S3 Standard-Infrequent Access (S3 Standard-IA) after 30 days.
- D. Move objects to S3 Standard-Infrequent Access (S3 Standard-IA) immediately.

Correct Answer: C

<https://aws.amazon.com/s3/storage-classes/>

QUESTION 5

A SysOps administrator has successfully deployed a VPC with an AWS Cloud Formation template The SysOps administrator wants to deploy the same template across multiple accounts that are managed through AWS Organizations. Which solution will meet this requirement with the LEAST operational overhead?

- A. Assume the OrganizationAccountAccessRole IAM role from the management account. Deploy the template in each of the accounts

B. Create an AWS Lambda function to assume a role in each account Deploy the template by using the AWS CloudFormation CreateStack API call

C. Create an AWS Lambda function to query for a list of accounts Deploy the template by using the AWS CloudFormation CreateStack API call.

D. Use AWS CloudFormation StackSets from the management account to deploy the template in each of the accounts

Correct Answer: D

AWS CloudFormation StackSets extends the capability of stacks by enabling you to create, update, or delete stacks across multiple accounts and AWS Regions

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