



# SOA-C02<sup>Q&As</sup>

AWS Certified SysOps Administrator - Associate (SOA-C02)

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**QUESTION 1**

A company is expanding its fleet of Amazon EC2 instances before an expected increase of traffic. When a SysOps administrator attempts to add more instances, an InstanceLimitExceeded error is returned.

What should the SysOps administrator do to resolve this error?

- A. Add an additional CIDR block to the VPC.
- B. Launch the EC2 instances in a different Availability Zone.
- C. Launch new EC2 instances in another VPC.
- D. Use Service Quotas to request an EC2 quota increase.

Correct Answer: D

-Instance Limit Exceeded -> Over 64 vCPU

-Insufficient Instance Capacity -> AWS's problem

- Instance Terminates Immediately -> EBS volume limit, corrupt or no permission for decryption

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**QUESTION 2**

A company runs hundreds of Amazon EC2 instances in a single AWS Region. Each EC2 instance has two attached 1 GiB General Purpose SSD (gp2) Amazon Elastic Block Store (Amazon EBS) volumes. A critical workload is using all the available IOPS capacity on the EBS volumes.

According to company policy, the company cannot change instance types or EBS volume types without completing lengthy acceptance tests to validate that the company's applications will function properly. A SysOps administrator needs to increase the I/O performance of the EBS volumes as quickly as possible.

Which action should the SysOps administrator take to meet these requirements?

- A. Increase the size of the 1 GiB EBS volumes.
- B. Add two additional elastic network interfaces on each EC2 instance.
- C. Turn on Transfer Acceleration on the EBS volumes in the Region.
- D. Add all the EC2 instances to a cluster placement group.

Correct Answer: A

Increasing the size of the 1 GiB EBS volumes will increase the IOPS capacity of the volumes, which will improve the I/O performance of the EBS volumes. This option does not require any changes to the instance types or EBS volume types,

so it can be done quickly without the need for lengthy acceptance tests to validate that the company's applications will function properly.

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/requesting-ebs-volume-modifications.html>

**QUESTION 3**

A company must migrate its applications to AWS. The company is using Chef recipes for configuration management. The company wants to continue to use the existing Chef recipes after the applications are migrated to AWS. What is the MOST operationally efficient solution that meets these requirements?

- A. Use AWS CloudFormation to create an Amazon EC2 instance, install a Chef server, and add Chef recipes.
- B. Use AWS CloudFormation to create a stack and add layers for Chef recipes.
- C. Use AWS Elastic Beanstalk with the Docker platform to upload Chef recipes.
- D. Use AWS OpsWorks to create a stack and add layers with Chef recipes.

Correct Answer: D

[https://docs.aws.amazon.com/opsworks/latest/userguide/welcome\\_opscm.html](https://docs.aws.amazon.com/opsworks/latest/userguide/welcome_opscm.html)

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**QUESTION 4**

A SysOps administrator is responsible for a company's disaster recovery procedures. The company has a source Amazon S3 bucket in a production account, and it wants to replicate objects from the source to a destination S3 bucket in a nonproduction account. The SysOps administrator configures S3 cross-Region, cross-account replication to copy the source S3 bucket to the destination S3 bucket. When the SysOps administrator attempts to access objects in the destination S3 bucket, they receive an Access Denied error.

Which solution will resolve this problem?

- A. Modify the replication configuration to change object ownership to the destination S3 bucket owner.
- B. Ensure that the replication rule applies to all objects in the source S3 bucket and is not scoped to a single prefix.
- C. Retry the request when the S3 Replication Time Control (S3 RTC) has elapsed.
- D. Verify that the storage class for the replicated objects did not change between the source S3 bucket and the destination S3 bucket.

Correct Answer: A

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**QUESTION 5**

An Amazon EC2 instance needs to be reachable from the internet. The EC2 instance is in a subnet with the following route table:

Destination	Target
10.0.0.0/16	Local
172.31.0.0/16	pcx-1122334455



Which entry must a SysOps administrator add to the route table to meet this requirement?

- A. A route for 0.0.0.0/0 that points to a NAT gateway
- B. A route for 0.0.0.0/0 that points to an egress-only internet gateway
- C. A route for 0.0.0.0/0 that points to an internet gateway
- D. A route for 0.0.0.0/0 that points to an elastic network interface

Correct Answer: C

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