



# SOA-C01<sup>Q&As</sup>

AWS Certified SysOps Administrator - Associate (SOA-C01)

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### QUESTION 1

While creating the wait condition resource in AWS CloudFormation, a SysOps Administrator receives the error “received 0 signals out of the 1 expected from the EC2 instance”.

What steps should be taken to troubleshoot this issue? (Choose two.)

- A. Confirm from the cfn logs that the cfn-signal command was successfully run on the instance.
- B. Try to re-create the stack with a different IAM user.
- C. Check that the instance has a route to the Internet through a NAT device.
- D. Update the AWS CloudFormation stack service role to have iam:PassRole permission.
- E. Delete the existing stack and attempt to create a new one.

Correct Answer: AD

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### QUESTION 2

A developer created a new application that uses Spot Fleet for a variety of instance families across multiple Availability Zones.

What should the developer do to ensure that the Spot Fleet is configured for cost optimization?

- A. Deploy a capacityOptimized allocation strategy for provisioning Spot Instances.
- B. Ensure instance capacity by specifying the desired target capacity and how much of that capacity must be On-Demand.
- C. Use the lowestPrice allocation strategy with InstancePoolsToUseCount in the Spot Fleet request.
- D. Launch instances up to the Spot Fleet target capacity or the maximum acceptable payment amount.

Correct Answer: B

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### QUESTION 3

An organization is planning to use AWS for their production roll out. The organization wants to implement automation for deployment such that it will automatically create a LAMP stack, download the latest PHP installable from S3 and setup the ELB. Which of the below mentioned AWS services meets the requirement for making an orderly deployment of the software?

- A. AWS Elastic Beanstalk



- B. AWS Cloudfront
- C. AWS Cloudformation
- D. AWS DevOps

Correct Answer: C

Explanation: AWS Cloudformation is an application management tool which provides application modelling, deployment, configuration, management and related activities. Cloudformation provides an easy way to create and delete the collection of related AWS resources and provision them in an orderly way. AWS CloudFormation automates and simplifies the task of repeatedly and predictably creating groups of related resources that power the user's applications. AWS Cloudfront is a CDN; Elastic Beanstalk does quite a few of the required tasks. However, it is a PAAS which uses a ready AMI. AWS Elastic Beanstalk provides an environment to easily develop and run applications in the cloud.

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#### QUESTION 4

A SysOps administrator has set up a new public Application Load Balancer (ALB) in front of a pair of private web servers in multiple Availability Zones. After deploying an updated AWS CloudFormation template with many changes, user traffic now goes to one web server only.

What is the MOST likely reason that the traffic is not being balanced between both servers?

- A. The faulty server is returning HTTP 200 codes and has been removed.
- B. Sticky sessions have been disabled in the ALB for the working server.
- C. The ALB is using a custom ping path that is not found on the faulty server.
- D. The web clients are using HTTP/2, which is terminated at the ALB.

Correct Answer: A

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#### QUESTION 5

A user has launched an EC2 instance from an instance store backed AMI. The user has attached an additional instance store volume to the instance. The user wants to create an AMI from the running instance. Will the AMI have the additional instance store volume data?

- A. Yes, the block device mapping will have information about the additional instance store volume
- B. No, since the instance store backed AMI can have only the root volume bundled
- C. It is not possible to attach an additional instance store volume to the existing instance store backed AMI instance
- D. No, since this is ephemeral storage it will not be a part of the AMI

Correct Answer: A

Explanation: When the user has launched an EC2 instance from an instance store backed AMI and added an instance



store volume to the instance in addition to the root device volume, the block device mapping for the new AMI contains the information for these volumes as well. In addition, the block device mappings for the instances those are launched from the new AMI will automatically contain information for these volumes.

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