

## Exam Questions SOA-C02

AWS Certified SysOps Administrator - Associate (SOA-C02)

<https://www.2passeasy.com/dumps/SOA-C02/>



#### NEW QUESTION 1

A SysOps administrator is creating two AWS CloudFormation templates. The first template will create a VPC with associated resources, such as subnets, route tables, and an internet gateway. The second template will deploy application resources within the VPC that was created by the first template. The second template should refer to the resources created by the first template.

How can this be accomplished with the LEAST amount of administrative effort?

- A. Add an export field to the outputs of the first template and import the values in the second template.
- B. Create a custom resource that queries the stack created by the first template and retrieves the required values.
- C. Create a mapping in the first template that is referenced by the second template.
- D. Input the names of resources in the first template and refer to those names in the second template as a parameter.

**Answer: C**

#### NEW QUESTION 2

A company has deployed a web application in a VPC that has subnets in three Availability Zones. The company launches three Amazon EC2 instances from an EC2 Auto Scaling group behind an Application Load Balancer (ALB). A SysOps administrator notices that two of the EC2 instances are in the same Availability Zone, rather than being distributed evenly across all three Availability Zones. There are no errors in the Auto Scaling group's activity history. What is the MOST likely reason for the unexpected placement of EC2 instances?

- A. One Availability Zone did not have sufficient capacity for the requested EC2 instance type.
- B. The ALB was configured for only two Availability Zones.
- C. The Auto Scaling group was configured for only two Availability Zones.
- D. Amazon EC2 Auto Scaling randomly placed the instances in Availability Zones.

**Answer: B**

#### NEW QUESTION 3

A company is running an application on premises and wants to use AWS for data backup. All of the data must be available locally. The backup application can write only to block-based storage that is compatible with the Portable Operating System Interface (POSIX).

Which backup solution will meet these requirements?

- A. Configure the backup software to use Amazon S3 as the target for the data backups.
- B. Configure the backup software to use Amazon S3 Glacier as the target for the data backups.
- C. Use AWS Storage Gateway, and configure it to use gateway-cached volumes.
- D. Use AWS Storage Gateway, and configure it to use gateway-stored volumes.

**Answer: D**

#### NEW QUESTION 4

A company asks a SysOps administrator to ensure that AWS CloudTrail files are not tampered with after they are created. Currently, the company uses AWS Identity and Access Management (IAM) to restrict access to specific trails. The company's security team needs the ability to trace the integrity of each file.

What is the MOST operationally efficient solution that meets these requirements?

- A. Create an Amazon EventBridge (Amazon CloudWatch Events) rule that invokes an AWS Lambda function when a new file is delivered.
- B. Configure the Lambda function to compute an MD5 hash check on the file and store the result in an Amazon DynamoDB table.
- C. The security team can use the values that are stored in DynamoDB to verify the integrity of the delivered files.
- D. Create an AWS Lambda function that is invoked each time a new file is delivered to the CloudTrail bucket.
- E. Configure the Lambda function to compute an MD5 hash check on the file and store the result as a tag in an Amazon S3 object. The security team can use the information in the tag to verify the integrity of the delivered files.
- F. Enable the CloudTrail file integrity feature on an Amazon S3 bucket.
- G. Create an IAM policy that grants the security team access to the file integrity logs that are stored in the S3 bucket.
- H. Enable the CloudTrail file integrity feature on the trail.
- I. The security team can use the digest file that is created by CloudTrail to verify the integrity of the delivered files.

**Answer: C**

#### NEW QUESTION 5

A company has an Amazon RDS DB instance. The company wants to implement a caching service while maintaining high availability. Which combination of actions will meet these requirements? (Choose two.)

- A. Add Auto Discovery to the data store.
- B. Create an Amazon ElastiCache for Memcached data store.
- C. Create an Amazon ElastiCache for Redis data store.
- D. Enable Multi-AZ for the data store.
- E. Enable Multi-threading for the data store.

**Answer: AD**

#### NEW QUESTION 6

An existing, deployed solution uses Amazon EC2 instances with Amazon EBS General Purpose SSD volumes, an Amazon RDS PostgreSQL database, an Amazon EFS file system, and static objects stored in an Amazon S3 bucket. The Security team now mandates that at-rest encryption be turned on immediately for all aspects of the application, without creating new resources and without any downtime.

To satisfy the requirements, which one of these services can the SysOps administrator enable at-rest encryption on?

- A. EBS General Purpose SSD volumes
- B. RDS PostgreSQL database

- C. Amazon EFS file systems
- D. S3 objects within a bucket

**Answer:** B

#### NEW QUESTION 7

A manufacturing company uses an Amazon RDS DB instance to store inventory of all stock items. The company maintains several AWS Lambda functions that interact with the database to add, update, and delete items. The Lambda functions use hardcoded credentials to connect to the database.

A SysOps administrator must ensure that the database credentials are never stored in plaintext and that the password is rotated every 30 days.

Which solution will meet these requirements in the MOST operationally efficient manner?

- A. Store the database password as an environment variable for each Lambda function
- B. Create a new Lambda function that is named PasswordRotat
- C. Use Amazon EventBridge (Amazon CloudWatch Events) to schedule the PasswordRotate function every 30 days to change the database password and update the environment variable for each Lambda function.
- D. Use AWS Key Management Service (AWS KMS) to encrypt the database password and to store the encrypted password as an environment variable for each Lambda function
- E. Grant each Lambda function access to the KMS key so that the database password can be decrypted when required
- F. Create a new Lambda function that is named PasswordRotate to change the password every 30 days.
- G. Use AWS Secrets Manager to store credentials for the database
- H. Create a Secrets Manager secret and select the database so that Secrets Manager will use a Lambda function to update the database password automatically
- I. Specify an automatic rotation schedule of 30 days
- J. Update each Lambda function to access the database password from Secrets Manager.
- K. Use AWS Systems Manager Parameter Store to create a secure string to store credentials for the database
- L. Create a new Lambda function called PasswordRotat
- M. Use Amazon EventBridge (Amazon CloudWatch Events) to schedule the PasswordRotate function every 30 days to change the database password and to update the secret within Parameter Store
- N. Update each Lambda function to access the database password from Parameter Store.

**Answer:** C

#### NEW QUESTION 8

A company hosts its website in the us-east-1 Region. The company is preparing to deploy its website into the eu-central-1 Region. Website visitors who are located in Europe should access the website that is hosted in eu-central-1. All other visitors access the website that is hosted in us-east-1. The company uses Amazon Route 53 to manage the website's DNS records.

Which routing policy should a SysOps administrator apply to the Route 53 record set to meet these requirements?

- A. Geolocation routing policy
- B. Geoproximity routing policy
- C. Latency routing policy
- D. Multivalue answer routing policy

**Answer:** D

#### NEW QUESTION 9

A company needs to restrict access to an Amazon S3 bucket to Amazon EC2 instances in a VPC only. All traffic must be over the AWS private network. What actions should the SysOps administrator take to meet these requirements?

- A. Create a VPC endpoint for the S3 bucket, and create an IAM policy that conditionally limits all S3 actions on the bucket to the VPC endpoint as the source.
- B. Create a VPC endpoint for the S3 bucket, and create an S3 bucket policy that conditionally limits all S3 actions on the bucket to the VPC endpoint as the source.
- C. Create a service-linked role for Amazon EC2 that allows the EC2 instances to interact directly with Amazon S3, and attach an IAM policy to the role that allows the EC2 instances full access to the S3 bucket.
- D. Create a NAT gateway in the VPC, and modify the VPC route table to route all traffic destined for Amazon S3 through the NAT gateway.

**Answer:** B

#### NEW QUESTION 10

A company uses Amazon Elasticsearch Service (Amazon ES) to analyze sales and customer usage data. Members of the company's geographically dispersed sales team are traveling. They need to log in to Kibana by using their existing corporate credentials that are stored in Active Directory. The company has deployed Active Directory Federation Services (AD FS) to enable authentication to cloud services.

Which solution will meet these requirements?

- A. Configure Active Directory as an authentication provider in Amazon ES
- B. Add the Active Directory server's domain name to Amazon ES
- C. Configure Kibana to use Amazon ES authentication.
- D. Deploy an Amazon Cognito user pool
- E. Configure Active Directory as an external identity provider for the user pool
- F. Enable Amazon Cognito authentication for Kibana on Amazon ES.
- G. Enable Active Directory user authentication in Kibana
- H. Create an IP-based custom domain access policy in Amazon ES that includes the Active Directory server's IP address.
- I. Establish a trust relationship with Kibana on the Active Directory server
- J. Enable Active Directory user authentication in Kibana
- K. Add the Active Directory server's IP address to Kibana.

**Answer:** B

#### NEW QUESTION 10

An Amazon EC2 instance is running an application that uses Amazon Simple Queue Service (Amazon SQS) queues. A SysOps administrator must ensure that the application can read, write, and delete messages from the SQS queues. Which solution will meet these requirements in the MOST secure manner?

- A. Create an IAM user with an IAM policy that allows the sqs:SendMessage permission, the sqs:ReceiveMessage permission, and the sqs:DeleteMessage permission to the appropriate queue
- B. Embed the IAM user's credentials in the application's configuration.
- C. Create an IAM user with an IAM policy that allows the sqs:SendMessage permission, the sqs:ReceiveMessage permission, and the sqs:DeleteMessage permission to the appropriate queue
- D. Export the IAM user's access key and secret access key as environment variables on the EC2 instance.
- E. Create and associate an IAM role that allows EC2 instances to call AWS service
- F. Attach an IAM policy to the role that allows sqs:\* permissions to the appropriate queues.
- G. Create and associate an IAM role that allows EC2 instances to call AWS service
- H. Attach an IAM policy to the role that allows the sqs:SendMessage permission, the sqs:ReceiveMessage permission, and the sqs:DeleteMessage permission to the appropriate queues.

**Answer:** D

#### NEW QUESTION 12

A company has an internal web application that runs on Amazon EC2 instances behind an Application Load Balancer. The instances run in an Amazon EC2 Auto Scaling group in a single Availability Zone. A SysOps administrator must make the application highly available. Which action should the SysOps administrator take to meet this requirement?

- A. Increase the maximum number of instances in the Auto Scaling group to meet the capacity that is required at peak usage.
- B. Increase the minimum number of instances in the Auto Scaling group to meet the capacity that is required at peak usage.
- C. Update the Auto Scaling group to launch new instances in a second Availability Zone in the same AWS Region.
- D. Update the Auto Scaling group to launch new instances in an Availability Zone in a second AWS Region.

**Answer:** C

#### NEW QUESTION 17

A company using AWS Organizations requires that no Amazon S3 buckets in its production accounts should ever be deleted. What is the SIMPLEST approach the SysOps administrator can take to ensure S3 buckets in those accounts can never be deleted?

- A. Set up MFA Delete on all the S3 buckets to prevent the buckets from being deleted.
- B. Use service control policies to deny the s3:DeleteBucket action on all buckets in production accounts.
- C. Create an IAM group that has an IAM policy to deny the s3:DeleteBucket action on all buckets in production accounts.
- D. Use AWS Shield to deny the s3:DeleteBucket action on the AWS account instead of all S3 buckets.

**Answer:** B

#### NEW QUESTION 22

A SysOps administrator is deploying a test site running on Amazon EC2 instances. The application requires both incoming and outgoing connectivity to the internet. Which combination of steps are required to provide internet connectivity to the EC2 instances? (Choose two.)

- A. Add a NAT gateway to a public subnet.
- B. Attach a private address to the elastic network interface on the EC2 instance.
- C. Attach an Elastic IP address to the internet gateway.
- D. Add an entry to the route table for the subnet that points to an internet gateway.
- E. Create an internet gateway and attach it to a VPC.

**Answer:** DE

#### NEW QUESTION 26

A SysOps administrator is notified that an Amazon EC2 instance has stopped responding. The AWS Management Console indicates that the system checks are failing. What should the administrator do first to resolve this issue?

- A. Reboot the EC2 instance so it can be launched on a new host.
- B. Stop and then start the EC2 instance so that it can be launched on a new host.
- C. Terminate the EC2 instance and relaunch it.
- D. View the AWS CloudTrail log to investigate what changed on the EC2 instance.

**Answer:** B

#### NEW QUESTION 28

An organization created an Amazon Elastic File System (Amazon EFS) volume with a file system ID of fs-85ba41fc, and it is actively used by 10 Amazon EC2 hosts. The organization has become concerned that the file system is not encrypted. How can this be resolved?

- A. Enable encryption on each host's connection to the Amazon EFS volume
- B. Each connection must be recreated for encryption to take effect.
- C. Enable encryption on the existing EFS volume by using the AWS Command Line Interface.
- D. Enable encryption on each host's local drive
- E. Restart each host to encrypt the drive.
- F. Enable encryption on a newly created volume and copy all data from the original volume
- G. Reconnect each host to the new volume.



**Answer:** D

### NEW QUESTION 33

A new website will run on Amazon EC2 instances behind an Application Load Balancer. Amazon Route 53 will be used to manage DNS records. What type of record should be set in Route 53 to point the website's apex domain name (for example, "company.com") to the Application Load Balancer?

- A. CNAME
- B. SOA
- C. TXT
- D. ALIAS

**Answer:** D

### NEW QUESTION 37

A SysOps administrator is setting up an automated process to recover an Amazon EC2 instance in the event of an underlying hardware failure. The recovered instance must have the same private IP address and the same Elastic IP address that the original instance had. The SysOps team must receive an email notification when the recovery process is initiated. Which solution will meet these requirements?

- A. Create an Amazon CloudWatch alarm for the EC2 instance, and specify the StatusCheckFailed\_Instance metri
- B. Add an EC2 action to the alarm to recover the instanc
- C. Add an alarm notification to publish a message to an AmazonSimple Notification Service (Amazon SNS) topi
- D. Subscribe the SysOps team email address to the SNS topic.
- E. Create an Amazon CloudWatch alarm for the EC2 instance, and specify the StatusCheckFailed\_System metri
- F. Add an EC2 action to the alarm to recover the instanc
- G. Add an alarm notification to publish a message to an AmazonSimple Notification Service (Amazon SNS) topi
- H. Subscribe the SysOps team email address to the SNS topic.
- I. Create an Auto Scaling group across three different subnets in the same Availability Zone with a minimum, maximum, and desired size of 1. Configure the Auto Scaling group to use a launch template that specifies the private IP addressand the Elastic IP addres
- J. Add an activity notification for the Auto Scaling group to send an email message to the SysOps team through Amazon Simple Email Service (Amazon SES).
- K. Create an Auto Scaling group across three Availability Zones with a minimum, maximum, and desired size of 1. Configure the Auto Scaling group to use a launch template that specifies the private IP address and the Elastic IP address.Add an activity notification for the Auto Scaling group to publish a message to an Amazon Simple Notification Service (Amazon SNS) topi
- L. Subscribe the SysOps team email address to the SNS topic.

**Answer:** A

### NEW QUESTION 42

A company hosts an internal application on Amazon EC2 instances. All application data and requests route through an AWS Site-to-Site VPN connection between the on-premises network and AWS. The company must monitor the application for changes that allow network access outside of the corporate network. Any change that exposes the application externally must be restricted automatically. Which solution meets these requirements in the MOST operationally efficient manner?

- A. Create an AWS Lambda function that updates security groups that are associated with the elastic network interface to remove inbound rules with noncorporate CIDR range
- B. Turn on VPC Flow Logs, and send the logs to AmazonCloudWatch Log
- C. Create an Amazon CloudWatch alarm that matches traffic from noncorporate CIDR ranges, and publish a message to an Amazon Simple Notification Service (Amazon SNS) topic with the Lambda function as a target.
- D. Create a scheduled Amazon EventBridge (Amazon CloudWatch Events) rule that targets an AWS Systems Manager Automation document to check for public IP addresses on the EC2 instance
- E. If public IP addresses are found on theEC2 instances, initiate another Systems Manager Automation document to terminate the instances.
- F. Configure AWS Config and a custom rule to monitor whether a security group allows inbound requests from noncorporate CIDR range
- G. Create an AWS Systems Manager Automation document to remove any noncorporate CIDR rangesfrom the application security groups.
- H. Configure AWS Config and the managed rule for monitoring public IP associations with the EC2 instances by ta
- I. Tag the EC2 instances with an identifie
- J. Create an AWS Systems Manager Automation document to remove the public IPassociation from the EC2 instances.

**Answer:** A

### NEW QUESTION 45

A SysOps administrator needs to design a high-traffic static website. The website must be highly available and must provide the lowest possible latency to users across the globe. Which solution will meet these requirements?

- A. Create an Amazon S3 bucket, and upload the website content to the S3 bucke
- B. Create an Amazon CloudFront distribution in each AWS Region, and set the S3 bucket as the origi
- C. Use Amazon Route 53 to create a DNS record thatuses a geolocation routing policy to route traffic to the correct CloudFront distribution based on where the request originates.
- D. Create an Amazon S3 bucket, and upload the website content to the S3 bucke
- E. Create an Amazon CloudFront distribution, and set the S3 bucket as the origi
- F. Use Amazon Route 53 to create an alias record that points to the CloudFrontdistribution.
- G. Create an Application Load Balancer (ALB) and a target grou
- H. Create an Amazon EC2 Auto Scaling group with at least two EC2 instances in the associated target grou
- I. Store the website content on the EC2 instance
- J. Use AmazonRoute 53 to create an alias record that points to the ALB.
- K. Create an Application Load Balancer (ALB) and a target group in two Region
- L. Create an Amazon EC2 Auto Scaling group in each Region with at least two EC2 instances in each target grou
- M. Store the website content on the EC2instance
- N. Use Amazon Route 53 to create a DNS record that uses a geolocation routing policy to route traffic to the correct ALB based on where the request originates.

**Answer:** A

#### NEW QUESTION 50

A company is running a serverless application on AWS Lambda. The application stores data in an Amazon RDS for MySQL DB instance. Usage has steadily increased, and recently there have been numerous "too many connections" errors when the Lambda function attempts to connect to the database. The company already has configured the database to use the maximum max\_connections value that is possible. What should a SysOps administrator do to resolve these errors?

- A. Create a read replica of the databas
- B. Use Amazon Route 53 to create a weighted DNS record that contains both databases.
- C. Use Amazon RDS Proxy to create a prox
- D. Update the connection string in the Lambda function.
- E. Increase the value in the max\_connect\_errors parameter in the parameter group that the database uses.
- F. Update the Lambda function's reserved concurrency to a higher value.

**Answer:** A

#### NEW QUESTION 55

A company manages an application that uses Amazon ElastiCache for Redis with two extra-large nodes spread across two different Availability Zones. The company's IT team discovers that the ElastiCache for Redis cluster has 75% freeable memory. The application must maintain high availability. What is the MOST cost-effective way to resize the cluster?

- A. Decrease the number of nodes in the ElastiCache for Redis cluster from 2 to 1.
- B. Deploy a new ElastiCache for Redis cluster that uses large node type
- C. Migrate the data from the original cluster to the new cluste
- D. After the process is complete, shut down the original cluster.
- E. Deploy a new ElastiCache for Redis cluster that uses large node type
- F. Take a backup from the original cluster, and restore the backup in the new cluste
- G. After the process is complete, shut down the original cluster.
- H. Perform an online resizing for the ElastiCache for Redis cluste
- I. Change the node types from extra-large nodes to large nodes.

**Answer:** B

#### NEW QUESTION 56

A company uses AWS Organizations to manage multiple AWS accounts with consolidated billing enabled. Organization member account owners want the benefits of Reserved Instances (RIs) but do not want to share RIs with other accounts. Which solution will meet these requirements?

- A. Purchase RIs in individual member account
- B. Disable RI discount sharing in the management account.
- C. Purchase RIs in individual member account
- D. Disable RI discount sharing in the member accounts.
- E. Purchase RIs in the management account
- F. Disable RI discount sharing in the management account.
- G. Purchase RIs in the management accoun
- H. Disable RI discount sharing in the member accounts.

**Answer:** B

#### NEW QUESTION 61

A SysOps Administrator runs a web application that is using a microservices approach whereby different responsibilities of the application have been divided in a separate microservice running on a different Amazon EC2 instance. The administrator has been tasked with reconfiguring the infrastructure to support this approach.

How can the administrator accomplish this with the LEAST administrative overhead?

- A. Use Amazon CloudFront to log the URL and forward the request.
- B. Use Amazon CloudFront to rewrite the header based on the microservice and forward the request.
- C. Use an Application Load Balancer (ALB) and do path-based routing.
- D. Use a Network Load Balancer (NLB) and do path-based routing.

**Answer:** C

#### NEW QUESTION 66

The previous AWS SysOps administrator in the Acme Corporation was using Amazon CloudWatch dashboards, as he was able to monitor the resources in a single view, even those resources that are spread across different Regions. Now, you took over the position as AWS SysOps administrator and you are responsible to create a new CloudWatch dashboard using the console. Which of the following steps is NOT required to create the new CloudWatch dashboard?

- A. Open the CloudWatch console at <https://console.aws.amazon.com/cloudwatch/>
- B. In the Create new dashboard dialog box, enter a name for the dashboard and choose Create dashboard
- C. Create at least two widgets to the dashboard
- D. Choose Save dashboard

**Answer:** C

#### Explanation:

Create at least two widgets to the dashboard is the correct answer. Amazon CloudWatch dashboards

are customizable home pages in the CloudWatch console that you can use to monitor your resources in a single view, even those resources that are spread across different Regions. You can use CloudWatch dashboards to create customized views of the metrics and alarms for your AWS resources.

With dashboards, you can create the following:

- \* 1. A single view for selected metrics and alarms to help you assess the health of your resources and applications across one or more regions. You can select the color used for each metric on each graph, so that you can easily track the same metric across multiple graphs.
- \* 2. A common view of critical resource and application measurements that can be shared by team members for faster communication flow during operational events.

To create a dashboard using the console

- \* 1. Open the CloudWatch console at <https://console.aws.amazon.com/cloudwatch/>.
- \* 2. In the navigation pane, choose Dashboards and then Create dashboard.
- \* 3. In the Create new dashboard dialog box, enter a name for the dashboard and choose Create dashboard. If you use the name CloudWatch-Default, the dashboard appears on the overview on the CloudWatch home page.

If you use resource groups and name the dashboard CloudWatch-Default-ResourceGroupName, it appears on the CloudWatch home page when you focus on that resource group.

- \* 4. Do one of the following in the Add to this dashboard dialog box:

To add a graph to your dashboard, choose Line or Stacked area and choose Configure. In the Add metric graph dialog box, select the metrics to graph and choose Create widget. If a specific metric doesn't appear in the dialog box because it hasn't published data in more than 14 days, you can add it manually.

To add a number displaying a metric to the dashboard, choose Number and then Configure. In the Add metric graph dialog box, select the metrics to graph and choose Create widget.

To add a text block to your dashboard, choose Text and then Configure. In the New text widget dialog box, for Markdown, add and format your text using Markdown. Choose Create widget.

- \* 5. Optionally, choose Add widget and repeat step 4 to add another widget to the dashboard. You can repeat this step multiple times.

- \* 6. Choose Save dashboard.

#### NEW QUESTION 68

A company for compliance purposes needs to assess how well its resource configurations comply with internal practices, industry guidelines, and regulations. Which tool should a SysOps administrator use to meet these requirements?

- A. AWS Security Hub
- B. AWS Shield
- C. AWS Health
- D. AWS Config

**Answer:** D

#### Explanation:

AWS Config is the correct answer. AWS Config can be used to assess how well your resource configurations comply with internal practices, industry guidelines, and regulations.

AWS Security Hub is incorrect. AWS Security Hub provides you with a comprehensive view of your security state in AWS and helps you check your environment against security industry standards and best practices.

Security Hub collects security data from across AWS accounts, services, and supported third-party partner products and helps you analyze your security trends and identify the highest priority security issues.

AWS Shield is incorrect. AWS provides two levels of protection against DDoS attacks: AWS Shield Standard and AWS Shield Advanced. AWS Shield Standard is automatically included at no extra cost beyond what you already pay for AWS WAF and your other AWS services.

For added protection against DDoS attacks, AWS offers AWS Shield Advanced. AWS Shield Advanced provides expanded DDoS attack protection for your Amazon EC2 instances, Elastic Load Balancing load balancers, Amazon CloudFront distributions, and Amazon Route 53 hosted zones.

AWS Health is incorrect. AWS Health provides personalized information about events that can affect your AWS infrastructure, guides you through scheduled changes, and accelerates the troubleshooting of issues that affect your AWS resources and accounts.

#### NEW QUESTION 72

Which of the following AWS feature helps you ensure that you have the correct number of Amazon EC2 instances available to handle the load for your application?

- A. Amazon EC2 Auto Scaling
- B. AWS CloudFormation
- C. AWS OpsWorks
- D. AWS Elastic Beanstalk

**Answer:** A

#### Explanation:

Amazon EC2 Auto Scaling is the correct answer. Amazon EC2 Auto Scaling helps you ensure that you have the correct number of Amazon EC2 instances available to handle the load for your application. You create collections of EC2 instances, called Auto Scaling groups. You can specify the minimum number of instances in each Auto Scaling group, and Amazon EC2 Auto Scaling ensures that your group never goes below this size.

You can specify the maximum number of instances in each Auto Scaling group, and Amazon EC2 Auto Scaling ensures that your group never goes above this size. If you specify the desired capacity, either when you create the group or at any time thereafter, Amazon EC2 Auto Scaling ensures that your group has this many instances. If you specify scaling policies,

then Amazon EC2 Auto Scaling can launch or terminate instances as demand on your application increases or decreases.

AWS CloudFormation is incorrect. AWS CloudFormation is a service that helps you model and set up your Amazon Web Services resources so that you can spend less time managing those resources and more time focusing on your applications that run in AWS. You create a template that describes all the AWS resources that you want (like Amazon EC2 instances or Amazon RDS DB instances), and AWS CloudFormation takes care of provisioning and configuring those resources for you. You don't need to individually create and configure AWS resources and figure out what's dependent on what; AWS CloudFormation handles all of that.

AWS Elastic Beanstalk is incorrect. With Elastic Beanstalk, you can quickly deploy and manage applications in the AWS Cloud without having to learn about the infrastructure that runs those applications. Elastic Beanstalk reduces management complexity without restricting choice or control. You simply upload your application, and Elastic Beanstalk automatically handles the details of capacity provisioning, load balancing, scaling, and application health monitoring.

AWS OpsWorks is incorrect. AWS OpsWorks is a configuration management service that helps you configure and operate applications in a cloud enterprise by using Puppet or Chef. AWS OpsWorks Stacks and AWS OpsWorks for Chef Automate let you use Chef cookbooks and solutions for configuration management, while OpsWorks for Puppet Enterprise lets you configure a Puppet Enterprise master server in AWS. Puppet offers a set of tools for enforcing the desired state of your infrastructure and automating on-demand tasks.

#### NEW QUESTION 77

A SysOps Administrator has implemented an Auto Scaling group with a step scaling policy. The Administrator notices that the additional instances have not been included in the aggregated metrics. Why are the additional instances missing from the aggregated metrics?

- A. The warm-up period has not expired
- B. The instances are still in the boot process
- C. The instances have not been attached to the Auto Scaling group
- D. The instances are included in a different set of metrics

**Answer:** B

#### NEW QUESTION 78

- A. Mastered
- B. Not Mastered

**Answer:** A

#### NEW QUESTION 81

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