



Amazon-Web-Services

Exam Questions SOA-C02

AWS Certified SysOps Administrator - Associate (SOA-C02)

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NEW QUESTION 1

- (Exam Topic 1)

A company creates a new member account by using AWS Organizations. A SysOps administrator needs to add AWS Business Support to the new account. Which combination of steps must the SysOps administrator take to meet this requirement? (Select TWO.)

- A. Sign in to the new account by using 1AM credential
- B. Change the support plan.
- C. Sign in to the new account by using root user credential
- D. Change the support plan.
- E. Use the AWS Support API to change the support plan.
- F. Reset the password of the account root user.
- G. Create an IAM user that has administrator privileges in the new account.

Answer: BE

Explanation:

The best combination of steps to meet this requirement is to sign in to the new account by using root user credentials and change the support plan, and to create an IAM user that has administrator privileges in the new account.

Signing in to the new account by using root user credentials will allow the SysOps administrator to access the account and change the support plan to AWS Business Support. Additionally, creating an IAM user that has administrator privileges in the new account will ensure that the SysOps administrator has the necessary access to manage the account and make changes to the support plan if necessary.

Reference:

[1] https://docs.aws.amazon.com/organizations/latest/userguide/orgs_manage_accounts_access.html#orgs_ma

NEW QUESTION 2

- (Exam Topic 1)

A company is rolling out a new version of its website. Management wants to deploy the new website in a limited rollout to 20% of the company's customers. The company uses Amazon Route 53 for its website's DNS solution.

Which configuration will meet these requirements?

- A. Create a failover routing polic
- B. Within the policy, configure 80% of the website traffic to be sent to the original resourc
- C. Configure the remaining 20% of traffic as the failover record that points to the new resource.
- D. Create a multivalue answer routing polic
- E. Within the policy, create 4 records with the name and IP address of the original resourc
- F. Configure 1 record with the name and IP address of the new resource.
- G. Create a latency-based routing polic
- H. Within the policy, configure a record pointing to the original resource with a weight of 80. Configure a record pointing to the new resource with a weight of 20.
- I. Create a weighted routing polic
- J. Within the policy, configure a weight of 80 for the record pointing to the original resourc
- K. Configure a weight of 20 for the record pointing to the new resource.

Answer: C

NEW QUESTION 3

- (Exam Topic 1)

A company has a policy that requires all Amazon EC2 instances to have a specific set of tags. If an EC2 instance does not have the required tags, the noncompliant instance should be terminated.

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

- A. Create an Amazon EventBridge (Amazon CloudWatch Events) rule to send all EC2 instance state changes to an AWS Lambda function to determine if each instance is complian
- B. Terminate any noncompliant instances.
- C. Create an IAM policy that enforces all EC2 instance tag requirement
- D. If the required tags are not in place for an instance, the policy will terminate noncompliant instance.
- E. Create an AWS Lambda function to determine if each EC2 instance is compliant and terminate an instance if it is noncompliant
- F. Schedule the Lambda function to invoke every 5 minutes.
- G. Create an AWS Config rule to check if the required tags are presen
- H. If an EC2 instance is noncompliant, invoke an AWS Systems Manager Automation document to terminate the instance.

Answer: D

Explanation:

<https://docs.aws.amazon.com/systems-manager/latest/userguide/systems-manager-automation.html>

NEW QUESTION 4

- (Exam Topic 1)

A company website contains a web tier and a database tier on AWS. The web tier consists of Amazon EC2 instances that run in an Auto Scaling group across two Availability Zones. The database tier runs on an Amazon ROS for MySQL Multi-AZ DB instance. The database subnet network ACLs are restricted to only the web subnets that need access to the database. The web subnets use the default network ACL with the default rules.

The company's operations team has added a third subnet to the Auto Scaling group configuration. After an Auto Scaling event occurs, some users report that they intermittently receive an error message. The error message states that the server cannot connect to the database. The operations team has confirmed that the route tables are correct and that the required ports are open on all security groups.

Which combination of actions should a SysOps administrator take so that the web servers can communicate with the DB instance? (Select TWO.)

- A. On the default AC
- B. create inbound Allow rules of type TCP with the ephemeral port range and the source as the database subnets.
- C. On the default ACL, create outbound Allow rules of type MySQL/Aurora (3306). Specify the destinations as the database subnets.

- D. On the network ACLs for the database subnets, create an inbound Allow rule of type MySQL/Aurora (3306). Specify the source as the third web subnet.
- E. On the network ACLs for the database subnets, create an outbound Allow rule of type TCP with the ephemeral port range and the destination as the third web subnet.
- F. On the network ACLs for the database subnets, create an outbound Allow rule of type MySQL/Aurora (3306). Specify the destination as the third web subnet.

Answer: CD

NEW QUESTION 5

- (Exam Topic 1)

A company is running a website on Amazon EC2 instances behind an Application Load Balancer (ALB). The company configured an Amazon CloudFront distribution and set the ALB as the origin. The company created an Amazon Route 53 CNAME record to send all traffic through the CloudFront distribution. As an unintended side effect, mobile users are now being served the desktop version of the website.

Which action should a SysOps administrator take to resolve this issue?

- A. Configure the CloudFront distribution behavior to forward the User-Agent header.
- B. Configure the CloudFront distribution origin setting
- C. Add a User-Agent header to the list of origin custom headers.
- D. Enable IPv6 on the AL
- E. Update the CloudFront distribution origin settings to use the dualstack endpoint.
- F. Enable IPv6 on the CloudFront distributio
- G. Update the Route 53 record to use the dualstack endpoint.

Answer: A

Explanation:

<https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/header-caching.html#header-caching->

NEW QUESTION 6

- (Exam Topic 1)

A company stores its data in an Amazon S3 bucket. The company is required to classify the data and find any sensitive personal information in its S3 files.

Which solution will meet these requirements?

- A. Create an AWS Config rule to discover sensitive personal information in the S3 files and mark them as noncompliant.
- B. Create an S3 event-driven artificial intelligence/machine learning (AI/ML) pipeline to classify sensitive personal information by using Amazon Recognition.
- C. Enable Amazon GuardDut
- D. Configure S3 protection to monitor all data inside Amazon S3.
- E. Enable Amazon Maci
- F. Create a discovery job that uses the managed data identifier.

Answer: D

Explanation:

Amazon Macie is a security service designed to help organizations find, classify, and protect sensitive data stored in Amazon S3. Amazon Macie uses machine learning to automatically discover, classify, and protect sensitive data in Amazon S3. Creating a discovery job with the managed data identifier will allow Macie to identify sensitive personal information in the S3 files and classify it accordingly. Enabling AWS Config and Amazon GuardDuty will not help with this requirement as they are not designed to automatically classify and protect data.

NEW QUESTION 7

- (Exam Topic 1)

A company is partnering with an external vendor to provide data processing services. For this integration, the vendor must host the company's data in an Amazon S3 bucket in the vendor's AWS account. The vendor is allowing the company to provide an AWS Key Management Service (AWS KMS) key to encrypt the company's data. The vendor has provided an IAM role Amazon Resource Name (ARN) to the company for this integration.

What should a SysOps administrator do to configure this integration?

- A. Create a new KMS ke
- B. Add the vendor's IAM role ARN to the KMS key polic
- C. Provide the new KMS key ARN to the vendor.
- D. Create a new KMS ke
- E. Create a new IAM use
- F. Add the vendor's IAM role ARN to an inline policy that is attached to the IAM use
- G. Provide the new IAM user ARN to the vendor.
- H. Configure encryption using the KMS managed S3 ke
- I. Add the vendor's IAM role ARN to the KMS managed S3 key polic
- J. Provide the KMS managed S3 key ARN to the vendor.
- K. Configure encryption using the KMS managed S3 ke
- L. Create an S3 bucke
- M. Add the vendor's IAM role ARN to the S3 bucket polic
- N. Provide the S3 bucket ARN to the vendor.

Answer: C

NEW QUESTION 8

- (Exam Topic 1)

A company runs a stateless application that is hosted on an Amazon EC2 instance. Users are reporting performance issues. A SysOps administrator reviews the Amazon CloudWatch metrics for the application and notices that the instance's CPU utilization frequently reaches 90% during business hours.

What is the MOST operationally efficient solution that will improve the application's responsiveness?

- A. Configure CloudWatch logging on the EC2 instanc
- B. Configure a CloudWatch alarm for CPU utilization to alert the SysOps administrator when CPU utilization goes above 90%.

- C. Configure an AWS Client VPN connection to allow the application users to connect directly to the EC2 instance private IP address to reduce latency.
- D. Create an Auto Scaling group, and assign it to an Application Load Balance
- E. Configure a target tracking scaling policy that is based on the average CPU utilization of the Auto Scaling group.
- F. Create a CloudWatch alarm that activates when the EC2 instance's CPU utilization goes above 80%. Configure the alarm to invoke an AWS Lambda function that vertically scales the instance.

Answer: C

NEW QUESTION 9

- (Exam Topic 1)

A SysOps administrator needs to create alerts that are based on the read and write metrics of Amazon Elastic Block Store (Amazon EBS) volumes that are attached to an Amazon EC2 instance. The SysOps administrator creates and enables Amazon CloudWatch alarms for the DiskReadBytes metric and the DiskWriteBytes metric.

A custom monitoring tool that is installed on the EC2 instance with the same alarm configuration indicates that the volume metrics have exceeded the threshold. However, the CloudWatch alarms were not in ALARM state.

Which action will ensure that the CloudWatch alarms function correctly?

- A. Install and configure the CloudWatch agent on the EC2 instance to capture the desired metrics.
- B. Install and configure AWS Systems Manager Agent on the EC2 instance to capture the desired metrics.
- C. Reconfigure the CloudWatch alarms to use the VolumeReadBytes metric and the VolumeWriteBytes metric for the EBS volumes.
- D. Reconfigure the CloudWatch alarms to use the VolumeReadBytes metric and the VolumeWriteBytes metric for the EC2 instance.

Answer: A

NEW QUESTION 10

- (Exam Topic 1)

A global gaming company is preparing to launch a new game on AWS. The game runs in multiple AWS Regions on a fleet of Amazon EC2 instances. The instances are in an Auto Scaling group behind an

Application Load Balancer (ALB) in each Region. The company plans to use Amazon Route 53 for DNS services. The DNS configuration must direct users to the Region that is closest to them and must provide automated failover.

Which combination of steps should a SysOps administrator take to configure Route 53 to meet these requirements? (Select TWO.)

- A. Create Amazon CloudWatch alarms that monitor the health of the ALB in each Region. Configure Route 53 DNS failover by using a health check that monitors the alarms.
- B. Create Amazon CloudWatch alarms that monitor the health of the EC2 instances in each Region. Configure Route 53 DNS failover by using a health check that monitors the alarms.
- C. Configure Route 53 DNS failover by using a health check that monitors the private address of an EC2 instance in each Region.
- D. Configure Route 53 geoproximity routing. Specify the Regions that are used for the infrastructure.
- E. Configure Route 53 simple routing. Specify the continent, country, and state or province that are used for the infrastructure.

Answer: A

NEW QUESTION 10

- (Exam Topic 1)

A SysOps administrator must create an IAM policy for a developer who needs access to specific AWS services. Based on the requirements, the SysOps administrator creates the following policy:

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Action": [
        "storagegateway:Describe*",
        "elasticloadbalancing:*",
        "lambda:*",
        "sqs:List*"
      ],
      "Effect": "Allow",
      "Resource": "*"
    }
  ]
}
```

Which actions does this policy allow? (Select TWO.)

- A. Create an AWS Storage Gateway.
- B. Create an IAM role for an AWS Lambda function.
- C. Delete an Amazon Simple Queue Service (Amazon SQS) queue.
- D. Describe AWS load balancers.
- E. Invoke an AWS Lambda function.

Answer: DE

NEW QUESTION 15

- (Exam Topic 1)

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 20

- (Exam Topic 1)

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 metric
- B. Add an EC2 action to the alarm to recover the instance
- C. Add an alarm notification to publish a message to an Amazon Simple Notification Service (Amazon SNS) topic
- 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 metric
- F. Add an EC2 action to the alarm to recover the instance
- G. Add an alarm notification to publish a message to an Amazon Simple Notification Service (Amazon SNS) topic
- 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 address and the Elastic IP address
- 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
- L. Add an activity notification for the Auto Scaling group to publish a message to an Amazon Simple Notification Service (Amazon SNS) topic
- M. Subscribe the SysOps team email address to the SNS topic.

Answer: B

Explanation:

You can create an Amazon CloudWatch alarm that monitors an Amazon EC2 instance and automatically recovers the instance if it becomes impaired due to an underlying hardware failure or a problem that requires AWS involvement to repair. Terminated instances cannot be recovered. A recovered instance is identical to the original instance, including the instance ID, private IP addresses, Elastic IP addresses, and all instance metadata. If the impaired instance has a public IPv4 address, the instance retains the public IPv4 address after recovery. If the impaired instance is in a placement group, the recovered instance runs in the placement group. When the StatusCheckFailed_System alarm is triggered, and the recover action is initiated, you will be notified by the Amazon SNS topic that you selected when you created the alarm and associated the recover action. <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-instance-recover.html>

NEW QUESTION 21

- (Exam Topic 1)

A company uses AWS CloudFormation to deploy its application infrastructure. Recently, a user accidentally changed a property of a database in a CloudFormation template and performed a stack update that caused an interruption to the application. A SysOps administrator must determine how to modify the deployment process to allow the DevOps team to continue to deploy the infrastructure, but prevent against accidental modifications to specific resources.

Which solution will meet these requirements?

- A. Set up an AWS Config rule to alert based on changes to any CloudFormation stack. An AWS Lambda function can then describe the stack to determine if any protected resources were modified and cancel the operation.
- B. Set up an Amazon CloudWatch Events event with a rule to trigger based on any CloudFormation API call. An AWS Lambda function can then describe the stack to determine if any protected resources were modified and cancel the operation.
- C. Launch the CloudFormation templates using a stack policy with an explicit allow for all resources and an explicit deny of the protected resources with an action of Update.
- D. Attach an IAM policy to the DevOps team role that prevents a CloudFormation stack from updating, with a condition based on the specific Amazon Resource Names (ARNs) of the protected resources.

Answer: B

NEW QUESTION 23

- (Exam Topic 1)

A SysOps administrator is tasked with analyzing database performance. The database runs on a single Amazon RDS DB instance. The SysOps administrator finds that, during times of peak traffic, resources on the database are overutilized due to the amount of read traffic.

Which actions should the SysOps administrator take to improve RDS performance? (Select TWO.)

- A. Add a read replica.
- B. Modify the application to use Amazon ElastiCache for Memcached.
- C. Migrate the database from RDS to Amazon DynamoDB.
- D. Migrate the database to Amazon EC2 with enhanced networking enabled.
- E. Upgrade the database to a Multi-AZ deployment.

Answer: AB

NEW QUESTION 28

- (Exam Topic 1)

A SysOps administrator launches an Amazon EC2 Linux instance in a public subnet. When the instance is running, the SysOps administrator obtains the public IP address and attempts to remotely connect to the instance multiple times. However, the SysOps administrator always receives a timeout error.

Which action will allow the SysOps administrator to remotely connect to the instance?

- A. Add a route table entry in the public subnet for the SysOps administrator's IP address.
- B. Add an outbound network ACL rule to allow TCP port 22 for the SysOps administrator's IP address.
- C. Modify the instance security group to allow inbound SSH traffic from the SysOps administrator's IP address.
- D. Modify the instance security group to allow outbound SSH traffic to the SysOps administrator's IP address.

Answer: C

NEW QUESTION 30

- (Exam Topic 1)

A company has an AWS Cloud Formation template that creates an Amazon S3 bucket. A user authenticates to the corporate AWS account with their Active Directory credentials and attempts to deploy the Cloud Formation template. However, the stack creation fails.

Which factors could cause this failure? (Select TWO.)

- A. The user's IAM policy does not allow the cloudformation:CreateStack action.
- B. The user's IAM policy does not allow the cloudformation:CreateStackSet action.
- C. The user's IAM policy does not allow the s3:CreateBucket action.
- D. The user's IAM policy explicitly denies the s3:ListBucket action.
- E. The user's IAM policy explicitly denies the s3:PutObject action

Answer: AC

NEW QUESTION 31

- (Exam Topic 1)

A company has a stateless application that is hosted on a fleet of 10 Amazon EC2 On-Demand Instances in an Auto Scaling group. A minimum of 6 instances are needed to meet service requirements.

Which action will maintain uptime for the application MOST cost-effectively?

- A. Use a Spot Fleet with an On-Demand capacity of 6 instances.
- B. Update the Auto Scaling group with a minimum of 6 On-Demand Instances and a maximum of 10 On-Demand Instances.
- C. Update the Auto Scaling group with a minimum of 1 On-Demand Instance and a maximum of 6 On-Demand Instances.
- D. Use a Spot Fleet with a target capacity of 6 instances.

Answer: A

NEW QUESTION 33

- (Exam Topic 1)

A company runs several workloads on AWS. The company identifies five AWS Trusted Advisor service quota metrics to monitor in a specific AWS Region. The company wants to receive email notification each time resource usage exceeds 60% of one of the service quotas.

Which solution will meet these requirements?

- A. Create five Amazon CloudWatch alarms, one for each Trusted Advisor service quota metri
- B. Configure an Amazon Simple Notification Service (Amazon SNS) topic for email notification each time that usage exceeds 60% of one of the service quotas.
- C. Create five Amazon CloudWatch alarms, one for each Trusted Advisor service quota metri
- D. Configure an Amazon Simple Queue Service (Amazon SQS) queue for email notification each time that usage exceeds 60% of one of the service quotas.
- E. Use the AWS Service Health Dashboard to monitor each Trusted Advisor service quota metric. Configure an Amazon Simple Queue Service (Amazon SQS) queue for email notification each time that usage exceeds 60% of one of the service quotas.
- F. Use the AWS Service Health Dashboard to monitor each Trusted Advisor service quota metric. Configure an Amazon Simple Notification Service (Amazon SNS) topic for email notification each time that usage exceeds 60% of one of the service quotas.

Answer: A

Explanation:

CloudWatch alarms allow you to monitor AWS resources, and you can configure an SNS topic to send an email notification each time one of the alarms is triggered. This will ensure that the company receives email notifications each time one of the service quotas is exceeded, allowing the company to take action as needed.

NEW QUESTION 37

- (Exam Topic 1)

A company is using Amazon Elastic File System (Amazon EFS) to share a file system among several Amazon EC2 instances. As usage increases, users report that file retrieval from the EFS file system is slower than normal.

Which action should a SysOps administrator take to improve the performance of the file system?

- A. Configure the file system for Provisioned Throughput.
- B. Enable encryption in transit on the file system.
- C. Identify any unused files in the file system, and remove the unused files.
- D. Resize the Amazon Elastic Block Store (Amazon EBS) volume of each of the EC2 instances.

Answer: A

NEW QUESTION 41

- (Exam Topic 1)

An organization is running multiple applications for their customers. Each application is deployed by running a base AWS CloudFormation template that configures a new VPC. All applications are run in the same AWS account and AWS Region. A SysOps administrator has noticed that when trying to deploy the same AWS CloudFormation stack, it fails to deploy. What is likely to be the problem?

- A. The Amazon Machine image used is not available in that region.

- B. The AWS CloudFormation template needs to be updated to the latest version.
- C. The VPC configuration parameters have changed and must be updated in the template.
- D. The account has reached the default limit for VPCs allowed.

Answer: D

NEW QUESTION 46

- (Exam Topic 1)

A Sysops administrator has created an Amazon EC2 instance using an AWS CloudFormation template in the us-east-I Region. The administrator finds that this template has failed to create an EC2 instance in the us-west-2 Region. What is one cause for this failure?

- A. Resource tags defined in the CloudFormation template are specific to the us-east-I Region.
- B. The Amazon Machine Image (AMI) ID referenced in the CloudFormation template could not be found in the us-west-2 Region.
- C. The cfn-init script did not run during resource provisioning in the us-west-2 Region.
- D. The IAM user was not created in the specified Region.

Answer: B

Explanation:

One possible cause for the failure of the CloudFormation template to create an EC2 instance in the us-west-2 Region is that the Amazon Machine Image (AMI) ID referenced in the template could not be found in the us-west-2 Region. This could be due to the fact that the AMI is not available in that region, or the credentials used to access the AMI were not configured properly. The other options (resource tags defined in the CloudFormation template are specific to the us-east-I Region, the cfn-init script did not run during resource provisioning in the us-west-2 Region, and the IAM user was not created in the specified Region) are not valid causes for this failure.

NEW QUESTION 47

- (Exam Topic 1)

A company has mandated the use of multi-factor authentication (MFA) for all IAM users, and requires users to make all API calls using the CLI. However. users are not prompted to enter MFA tokens, and are able to run CLI commands without MFA. In an attempt to enforce MFA, the company attached an IAM policy to all users that denies API calls that have not been authenticated with MFA.

What additional step must be taken to ensure that API calls are authenticated using MFA?

- A. Enable MFA on IAM roles, and require IAM users to use role credentials to sign API calls.
- B. Ask the IAM users to log into the AWS Management Console with MFA before making API calls using the CLI.
- C. Restrict the IAM users to use of the console, as MFA is not supported for CLI use.
- D. Require users to use temporary credentials from the get-session token command to sign API calls.

Answer: D

NEW QUESTION 51

- (Exam Topic 1)

A SysOps administrator is building a process for sharing Amazon RDS database snapshots between different accounts associated with different business units within the same company. All data must be encrypted at rest.

How should the administrator implement this process?

- A. Write a script to download the encrypted snapshot, decrypt it using the AWS KMS encryption key used to encrypt the snapshot, then create a new volume in each account.
- B. Update the key policy to grant permission to the AWS KMS encryption key used to encrypt the snapshot with all relevant accounts, then share the snapshot with those accounts.
- C. Create an Amazon EC2 instance based on the snapshot, then save the instance's Amazon EBS volume as a snapshot and share it with the other account
- D. Require each account owner to create a new volume from that snapshot and encrypt it.
- E. Create a new unencrypted RDS instance from the encrypted snapshot, connect to the instance using SSH/RD
- F. export the database contents into a file, then share this file with the other accounts.

Answer: B

NEW QUESTION 56

- (Exam Topic 1)

A company has launched a social media website that gives users the ability to upload images directly to a centralized Amazon S3 bucket. The website is popular in areas that are geographically distant from the AWS Region where the S3 bucket is located. Users are reporting that uploads are slow. A SysOps administrator must improve the upload speed.

What should the SysOps administrator do to meet these requirements?

- A. Create S3 access points in Regions that are closer to the users.
- B. Create an accelerator in AWS Global Accelerator for the S3 bucket.
- C. Enable S3 Transfer Acceleration on the S3 bucket.
- D. Enable cross-origin resource sharing (CORS) on the S3 bucket.

Answer: C

Explanation:

You might want to use Transfer Acceleration on a bucket for various reasons: ->Your customers upload to a centralized bucket from all over the world. ->You transfer gigabytes to terabytes of data on a regular basis across continents. ->You can't use all of your available bandwidth over the internet when uploading to Amazon S3." <https://docs.aws.amazon.com/AmazonS3/latest/userguide/transfer-acceleration.html>

NEW QUESTION 59

- (Exam Topic 1)

A company has a mobile app that uses Amazon S3 to store images The images are popular for a week, and then the number of access requests decreases over

time The images must be highly available and must be immediately accessible upon request A SysOps administrator must reduce S3 storage costs for the company Which solution will meet these requirements MOST cost-effectively?

- A. Create an S3 Lifecycle policy to transition the images to S3 Glacier after 7 days
- B. Create an S3 Lifecycle policy to transition the images to S3 One Zone-Infrequent Access (S3 One Zone-IA) after 7 days
- C. Create an S3 Lifecycle policy to transition the images to S3 Standard after 7 days
- D. Create an S3 Lifecycle policy to transition the images to S3 Standard-Infrequent Access (S3 Standard-IA) after 7 days

Answer: D

NEW QUESTION 60

- (Exam Topic 1)

A company uses Amazon Route 53 to manage the public DNS records for the domain example.com. The company deploys an Amazon CloudFront distribution to deliver static assets for a new corporate website. The company wants to create a subdomain that is named "static" and must route traffic for the subdomain to the CloudFront distribution.

How should a SysOps administrator create a new record for the subdomain in Route 53?

- A. Create a CNAME recor
- B. Enter static.cloudfront.net as the record nam
- C. Enter the CloudFront distribution's public IP address as the value.
- D. Create a CNAME recor
- E. Enter static.example.com as the record nam
- F. Enter the CloudFront distribution's private IP address as the value.
- G. Create an A recor
- H. Enter static.cloudfront.net as the record nam
- I. Enter the CloudFront distribution's ID as an alias target.
- J. Create an A recor
- K. Enter static.example.com as the record nam
- L. Enter the CloudFront distribution's domain name as an alias target.

Answer: D

Explanation:

<https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/routing-to-cloudfront-distribution.html>

NEW QUESTION 62

- (Exam Topic 1)

A company is storing media content in an Amazon S3 bucket and uses Amazon CloudFront to distribute the content to its users. Due to licensing terms, the company is not authorized to distribute the content in some countries. A SysOps administrator must restrict access to certain countries.

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

- A. Configure the S3 bucket policy to deny the GetObject operation based on the S3:LocationConstraint condition.
- B. Create a secondary origin access identity (OAI). Configure the S3 bucket policy to prevent access from unauthorized countries.
- C. Enable the geo restriction feature in the CloudFront distribution to prevent access from unauthorized countries.
- D. Update the application to generate signed CloudFront URLs only for IP addresses in authorized countries.

Answer: C

NEW QUESTION 67

- (Exam Topic 1)

A SysOps administrator is attempting to download patches from the internet into an instance in a private subnet. An internet gateway exists for the VPC, and a NAT gateway has been deployed on the public subnet; however, the instance has no internet connectivity. The resources deployed into the private subnet must be inaccessible directly from the public internet.

Public Subnet (10.0.1.0/24) Route Table	
Destination	Target
10.0.0.0/16	local
0.0.0.0/0	IGW

Private Subnet (10.0.2.0/24) Route Table	
Destination	Target
10.0.0.0/16	local

What should be added to the private subnet's route table in order to address this issue, given the information provided?

- A. 0.0.0.0/0 IGW
- B. 0.0.0.0/0 NAT
- C. 10.0.1.0/24 IGW
- D. 10.0.1.0/24 NAT

Answer: B

NEW QUESTION 69

- (Exam Topic 1)

A company is using an AWS KMS customer master key (CMK) with imported key material The company references the CMK by its alias in the Java application to encrypt data The CMK must be rotated every 6 months

What is the process to rotate the key?

- A. Enable automatic key rotation for the CMK and specify a period of 6 months
- B. Create a new CMK with new imported material, and update the key alias to point to the new CMK.
- C. Delete the current key material, and import new material into the existing CMK
- D. Import a copy of the existing key material into a new CMK as a backup, and set the rotation schedule for 6 months

Answer: B

NEW QUESTION 70

- (Exam Topic 1)

A SysOps administrator is helping a development team deploy an application to AWS. The AWS CloudFormation template includes an Amazon Linux EC2 Instance, an Amazon Aurora DB cluster, and a hard-coded database password that must be rotated every 90 days. What is the MOST secure way to manage the database password?

- A. Use the AWS SecretsManager Secret resource with the GenerateSecretString property to automatically generate a password. Use the AWS SecretsManager RotationSchedule resource to define a rotation schedule for the password. Configure the application to retrieve the secret from AWS Secrets Manager, access the database.
- B. Use the AWS SecretsManager Secret resource with the SecretString property. Accept a password as a CloudFormation parameter. Use the AllowedPattern property of the CloudFormation parameter to require a minimum length, uppercase and lowercase letters, and special characters. Configure the application to retrieve the secret from AWS Secrets Manager to access the database.
- C. Use the AWS SSM Parameter resource. Accept input as a CloudFormation parameter to store the parameter as a secure string. Configure the application to retrieve the parameter from AWS Systems Manager Parameter Store to access the database.
- D. Use the AWS SSM Parameter resource. Accept input as a CloudFormation parameter to store the parameter as a string. Configure the application to retrieve the parameter from AWS Systems Manager Parameter Store to access the database.

Answer: A

NEW QUESTION 72

- (Exam Topic 1)

A company is undergoing an external audit of its systems, which run wholly on AWS. A SysOps administrator must supply documentation of Payment Card Industry Data Security Standard (PCI DSS) compliance for the infrastructure managed by AWS. Which set of actions should the SysOps administrator take to meet this requirement?

- A. Download the applicable reports from the AWS Artifact portal and supply these to the auditors.
- B. Download complete copies of the AWS CloudTrail log files and supply these to the auditors.
- C. Download complete copies of the AWS CloudWatch logs and supply these to the auditors.
- D. Provide the auditors with administrative access to the production AWS account so that the auditors can determine compliance.

Answer: A

NEW QUESTION 77

- (Exam Topic 1)

A company has a web application with a database tier that consists of an Amazon EC2 instance that runs MySQL. A SysOps administrator needs to minimize potential data loss and the time that is required to recover in the event of a database failure. What is the MOST operationally efficient solution that meets these requirements?

- A. Create an Amazon CloudWatch alarm for the StatusCheckFailed_System metric to invoke an AWS Lambda function that stops and starts the EC2 instance.
- B. Create an Amazon RDS for MySQL Multi-AZ DB instance.
- C. Use a MySQL native backup that is stored in Amazon S3 to restore the data to the new database.
- D. Update the connection string in the web application.
- E. Create an Amazon RDS for MySQL Single-AZ DB instance with a read replica.
- F. Use a MySQL native backup that is stored in Amazon S3 to restore the data to the new database.
- G. Update the connection string in the web application.
- H. Use Amazon Data Lifecycle Manager (Amazon DLM) to take a snapshot of the Amazon Elastic Block Store (Amazon EBS) volume every hour.
- I. In the event of an EC2 instance failure, restore the EBS volume from a snapshot.

Answer: D

NEW QUESTION 79

- (Exam Topic 1)

A company has a simple web application that runs on a set of Amazon EC2 instances behind an Elastic Load Balancer in the eu-west-2 Region. Amazon Route 53 holds a DNS record for the application with a simple routing policy. Users from all over the world access the application through their web browsers. The company needs to create additional copies of the application in the us-east-1 Region and in the ap-south-1 Region. The company must direct users to the Region that provides the fastest response times when the users load the application. What should a SysOps administrator do to meet these requirements?

- A. In each new Region, create a new Elastic Load Balancer and a new set of EC2 instances to run a copy of the application.
- B. Transition to a geolocation routing policy.
- C. In each new Region, create a copy of the application on new EC2 instances.
- D. Add these new EC2 instances to the Elastic Load Balancer in eu-west-2. Transition to a latency routing policy.
- E. In each new Region, create a copy of the application on new EC2 instances.
- F. Add these new EC2 instances to the Elastic Load Balancer in eu-west-2. Transition to a multivalue routing policy.
- G. In each new Region, create a new Elastic Load Balancer and a new set of EC2 instances to run a copy of the application.
- H. Transition to a latency routing policy.

Answer: B

NEW QUESTION 80

- (Exam Topic 1)

A company has a stateless application that runs on four Amazon EC2 instances. The application requires four instances at all times to support all traffic. A SysOps administrator must design a highly available, fault-tolerant architecture that continually supports all traffic if one Availability Zone becomes unavailable. Which configuration meets these requirements?

- A. Deploy two Auto Scaling groups in two Availability Zones with a minimum capacity of two instances in each group.
- B. Deploy an Auto Scaling group across two Availability Zones with a minimum capacity of four instances.
- C. Deploy an Auto Scaling group across three Availability Zones with a minimum capacity of four instances.
- D. Deploy an Auto Scaling group across three Availability Zones with a minimum capacity of six instances.

Answer: C

NEW QUESTION 81

- (Exam Topic 1)

Application A runs on Amazon EC2 instances behind a Network Load Balancer (NLB). The EC2 instances are in an Auto Scaling group and are in the same subnet that is associated with the NLB. Other applications from an on-premises environment cannot communicate with Application A on port 8080. To troubleshoot the issue, a SysOps administrator analyzes the flow logs. The flow logs include the following records:

```
2 123456789010 eni-1235b8ca123456789 192.168.0.13 172.31.16.139 59003 8080 1 4 336 1432917027 1432917142 ACCEPT OK
2 123456789010 eni-1235b8ca123456789 172.31.16.139 192.168.0.13 8080 59003 1 4 336 1432917094 1432917142 REJECT OK
```

What is the reason for the rejected traffic?

- A. The security group of the EC2 instances has no Allow rule for the traffic from the NLB.
- B. The security group of the NLB has no Allow rule for the traffic from the on-premises environment.
- C. The ACL of the on-premises environment does not allow traffic to the AWS environment.
- D. The network ACL that is associated with the subnet does not allow outbound traffic for the ephemeral port range.

Answer: A

NEW QUESTION 83

- (Exam Topic 1)

A company recently purchased Savings Plans. The company wants to receive email notification when the company's utilization drops below 90% for a given day. Which solution will meet this requirement?

- A. Create an Amazon CloudWatch alarm to monitor the Savings Plan check in AWS Trusted Advisor. Configure an Amazon Simple Queue Service (Amazon SQS) queue for email notification when the utilization drops below 90% for a given day.
- B. Create an Amazon CloudWatch alarm to monitor the SavingsPlansUtilization metric under the AWS/SavingsPlans namespace in CloudWatch.
- C. Configure an Amazon Simple Queue Service (Amazon SQS) queue for email notification when the utilization drops below 90% for a given day.
- D. Create a Savings Plans alert to monitor the daily utilization of the Savings Plan.
- E. Configure an Amazon Simple Notification Service (Amazon SNS) topic for email notification when the utilization drops below 90% for a given day.
- F. Use AWS Budgets to create a Savings Plans budget to track the daily utilization of the Savings Plans. Configure an Amazon Simple Notification Service (Amazon SNS) topic for email notification when the utilization drops below 90% for a given day.

Answer: D

Explanation:

AWS Budgets can be used to create a Savings Plans budget and track the daily utilization of the company's Savings Plans. By creating a budget, it will trigger an action when the utilization drops below 90%, which in this case will be to send an email notification via an Amazon SNS topic. This will ensure that the company is notified when their Savings Plans utilization drops below 90%, allowing them to take action if necessary.

Reference: [1] <https://docs.aws.amazon.com/savingsplans/latest/userguide/sp-usingBudgets.html>

NEW QUESTION 84

- (Exam Topic 1)

A SysOps administrator must manage the security of an AWS account. Recently, an IAM user's access key was mistakenly uploaded to a public code repository. The SysOps administrator must identify anything that was changed by using this access key.

- A. Create an Amazon EventBridge (Amazon CloudWatch Events) rule to send all IAM events to an AWS Lambda function for analysis.
- B. Query Amazon EC2 logs by using Amazon CloudWatch Logs Insights for all events related to the compromised access key within the suspected timeframe.
- C. Search AWS CloudTrail event history for all events initiated with the compromised access key within the suspected timeframe.
- D. Search VPC Flow Logs for all events initiated with the compromised access key within the suspected timeframe.

Answer: C

NEW QUESTION 85

- (Exam Topic 1)

A company is running a website on Amazon EC2 instances that are in an Auto Scaling group. When the website traffic increases, additional instances take several minutes to become available because of a long-running user data script that installs software. A SysOps administrator must decrease the time that is required (or new instances to become available). Which action should the SysOps administrator take to meet this requirement?

- A. Reduce the scaling thresholds so that instances are added before traffic increases.
- B. Purchase Reserved Instances to cover 100% of the maximum capacity of the Auto Scaling group.
- C. Update the Auto Scaling group to launch instances that have a storage optimized instance type.
- D. Use EC2 Image Builder to prepare an Amazon Machine Image (AMI) that has pre-installed software.

Answer: D

Explanation:

automated way to update your image. Have a pipeline to update your image. When you boot from your AMI updates = scripts are already pre-installed, so no need to complete boot scripts in boot process. <https://aws.amazon.com/image-builder/>

NEW QUESTION 89

- (Exam Topic 1)

A company's SysOps administrator deploys four new Amazon EC2 instances by using the standard Amazon Linux 2 Amazon Machine Image (AMI). The company needs to be able to use AWS Systems Manager to manage the instances. The SysOps administrator notices that the instances do not appear in the Systems Manager console.

What must the SysOps administrator do to resolve this issue?

- A. Connect to each instance by using SSH. Install Systems Manager Agent on each instance. Configure Systems Manager Agent to start automatically when the instances start up.
- B. Use AWS Certificate Manager (ACM) to create a TLS certificate. Import the certificate into each instance. Configure Systems Manager Agent to use the TLS certificate for secure communications.
- C. Connect to each instance by using SSH. Create an ssm-user account. Add the ssm-user account to the /etc/sudoers.d directory.
- D. Attach an IAM instance profile to the instances. Ensure that the instance profile contains the AmazonSSMManagedInstanceCore policy.

Answer: D

NEW QUESTION 94

- (Exam Topic 1)

A company is expanding globally and needs to back up data on Amazon Elastic Block Store (Amazon EBS) volumes to a different AWS Region. Most of the EBS volumes that store the data are encrypted, but some of the EBS volumes are unencrypted. The company needs the backup data from all the EBS volumes to be encrypted.

Which solution will meet these requirements with the LEAST management overhead?

- A. Configure a lifecycle policy in Amazon Data Lifecycle Manager (Amazon DLM) to create the EBS volume snapshots with cross-Region backups enabled.
- B. Encrypt the snapshot copies by using AWS Key Management Service (AWS KMS).
- C. Create a point-in-time snapshot of the EBS volume.
- D. When the snapshot status is COMPLETED, copy the snapshots to another Region and set the Encrypted parameter to False.
- E. Create a point-in-time snapshot of the EBS volume.
- F. Copy the snapshots to an Amazon S3 bucket that uses server-side encryption.
- G. Turn on S3 Cross-Region Replication on the S3 bucket.
- H. Schedule an AWS Lambda function with the Python runtime.
- I. Configure the Lambda function to create the EBS volume snapshots, encrypt the unencrypted snapshots, and copy the snapshots to another Region.

Answer: A

Explanation:

Encrypt the snapshot copies by using AWS Key Management Service (AWS KMS). This solution will allow the company to automatically create encrypted snapshots of the EBS volumes and copy them to different AWS Regions with minimal effort.

NEW QUESTION 95

- (Exam Topic 1)

A company is running an application on a fleet of Amazon EC2 instances behind an Application Load Balancer (ALB). The EC2 instances are launched by an Auto Scaling group and are automatically registered in a target group. A SysOps administrator must set up a notification to alert application owners when targets fail health checks.

What should the SysOps administrator do to meet these requirements?

- A. Create an Amazon CloudWatch alarm on the UnHealthyHostCount metric.
- B. Configure an action to send an Amazon Simple Notification Service (Amazon SNS) notification when the metric is greater than 0.
- C. Configure an Amazon EC2 Auto Scaling custom lifecycle action to send an Amazon Simple Notification Service (Amazon SNS) notification when an instance is in the Pending:Wait state.
- D. Update the Auto Scaling group.
- E. Configure an activity notification to send an Amazon Simple Notification Service (Amazon SNS) notification for the Unhealthy event type.
- F. Update the ALB health check to send an Amazon Simple Notification Service (Amazon SNS) notification when an instance is unhealthy.

Answer: A

NEW QUESTION 98

- (Exam Topic 1)

A SysOps administrator is evaluating Amazon Route 53 DNS options to address concerns about high availability for an on-premises website. The website consists of two servers: a primary active server and a secondary passive server. Route 53 should route traffic to the primary server if the associated health check returns 2xx or 3xx HTTP codes. All other traffic should be directed to the secondary passive server. The failover record type, set ID, and routing policy have been set appropriately for both primary and secondary servers.

Which next step should be taken to configure Route 53?

- A. Create an A record for each server.
- B. Associate the records with the Route 53 HTTP health check.
- C. Create an A record for each server.
- D. Associate the records with the Route 53 TCP health check.
- E. Create an alias record for each server with evaluate target health set to Yes.
- F. Associate the records with the Route 53 HTTP health check.
- G. Create an alias record for each server with evaluate target health set to Yes.
- H. Associate the records with the Route 53 TCP health check.

Answer: A

NEW QUESTION 102

- (Exam Topic 1)

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

Answer: C

NEW QUESTION 105

- (Exam Topic 1)

A company runs an application on Amazon EC2 instances. The EC2 instances are in an Auto Scaling group and run behind an Application Load Balancer (ALB). The application experiences errors when total requests exceed 100 requests per second. A SysOps administrator must collect information about total requests for a 2-week period to determine when requests exceeded this threshold.

What should the SysOps administrator do to collect this data?

- A. Use the ALB's RequestCount metri
- B. Configure a time range of 2 weeks and a period of 1 minute.Examine the chart to determine peak traffic times and volumes.
- C. Use Amazon CloudWatch metric math to generate a sum of request counts for all the EC2 instances over a 2-week perio
- D. Sort by a 1-minute interval.
- E. Create Amazon CloudWatch custom metrics on the EC2 launch configuration templates to create aggregated request metrics across all the EC2 instances.
- F. Create an Amazon EventBridge (Amazon CloudWatch Events) rul
- G. Configure an EC2 event matching pattern that creates a metric that is based on EC2 request
- H. Display the data in a graph.

Answer: A

Explanation:

Using the ALB's RequestCount metric will allow the SysOps administrator to collect information about total requests for a 2-week period and determine when requests exceeded the threshold of 100 requests per second. Configuring a time range of 2 weeks and a period of 1 minute will ensure that the data can be accurately examined to determine peak traffic times and volumes.

NEW QUESTION 107

- (Exam Topic 1)

With the threat of ransomware viruses encrypting and holding company data hostage, which action should be taken to protect an Amazon S3 bucket?

- A. Deny Pos
- B. Pu
- C. and Delete on the bucket.
- D. Enable server-side encryption on the bucket.
- E. Enable Amazon S3 versioning on the bucket.
- F. Enable snapshots on the bucket.

Answer: B

NEW QUESTION 109

- (Exam Topic 1)

A company wants to be alerted through email when IAM CreateUser API calls are made within its AWS account.

Which combination of actions should a SysOps administrator take to meet this requirement? (Choose two.)

- A. Create an Amazon EventBridge (Amazon CloudWatch Events) rule with AWS CloudTrail as the event source and IAM CreateUser as the specific API call for the event pattern.
- B. Create an Amazon EventBridge (Amazon CloudWatch Events) rule with Amazon CloudSearch as the event source and IAM CreateUser as the specific API call for the event pattern.
- C. Create an Amazon EventBridge (Amazon CloudWatch Events) rule with AWS IAM Access Analyzer as the event source and IAM CreateUser as the specific API call for the event pattern.
- D. Use an Amazon Simple Notification Service (Amazon SNS) topic as an event target with an email subscription.
- E. Use an Amazon Simple Email Service (Amazon SES) notification as an event target with an email subscription.

Answer: AD

Explanation:

<https://aws.amazon.com/blogs/security/how-to-receive-alerts-when-your-iam-configuration-changes/>

NEW QUESTION 110

- (Exam Topic 1)

A company's VPC has connectivity to an on-premises data center through an AWS Site-to-Site VPN. The company needs Amazon EC2 instances in the VPC to send DNS queries for example com to the DNS servers in the data center.

Which solution will meet these requirements?

- A. Create an Amazon Route 53 Resolver inbound endpoint Create a conditional forwarding rule on the on-premises DNS servers to forward DNS requests for example.com to the inbound endpoints.
- B. Create an Amazon Route 53 Resolver inbound endpoint Create a forwarding rule on the resolver that sends all queries for example.com to the on-premises DNS server
- C. Associate this rule with the VPC.
- D. Create an Amazon Route 53 Resolver outbound endpoint Create a conditional forwarding rule on the on-premises DNS servers to forward DNS requests for example.com to the outbound endpoints
- E. Create an Amazon Route 53 Resolver outbound endpoint
- F. Create a forwarding rule on the resolver that sends all queries for example.com to the on-premises DNS servers Associate this rule with the VPC.

Answer: C

NEW QUESTION 113

- (Exam Topic 1)

A SysOps administrator is using AWS Systems Manager Patch Manager to patch a fleet of Amazon EC2 instances. The SysOps administrator has configured a patch baseline and a maintenance window. The SysOps administrator also has used an instance tag to identify which instances to patch. The SysOps administrator must give Systems Manager the ability to access the EC2 instances. Which additional action must the SysOps administrator perform to meet this requirement?

- A. Add an inbound rule to the instances' security group.
- B. Attach an IAM instance profile with access to Systems Manager to the instances.
- C. Create a Systems Manager activation Then activate the fleet of instances.
- D. Manually specify the instances to patch Instead of using tag-based selection.

Answer: A

NEW QUESTION 115

- (Exam Topic 1)

A company has a stateful web application that is hosted on Amazon EC2 instances in an Auto Scaling group. The instances run behind an Application Load Balancer (ALB) that has a single target group. The ALB is configured as the origin in an Amazon CloudFront distribution. Users are reporting random logouts from the web application.

Which combination of actions should a SysOps administrator take to resolve this problem? (Select TWO.)

- A. Change to the least outstanding requests algorithm on the ALB target group.
- B. Configure cookie forwarding in the CloudFront distribution cache behavior.
- C. Configure header forwarding in the CloudFront distribution cache behavior.
- D. Enable group-level stickiness on the ALB listener rule.
- E. Enable sticky sessions on the ALB target group.

Answer: BE

Explanation:

<https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/Cookies.html>

You can configure each cache behavior to do one of the following: Forward all cookies to your origin – CloudFront includes all cookies sent by the viewer when it forwards requests to the origin. <https://docs.aws.amazon.com/elasticloadbalancing/latest/application/sticky-sessions.html>

By default, an Application Load Balancer routes each request independently to a registered target based on the chosen load-balancing algorithm.

NEW QUESTION 120

- (Exam Topic 1)

A company's SysOps administrator deploys a public Network Load Balancer (NLB) in front of the company's web application. The web application does not use any Elastic IP addresses. Users must access the web application by using the company's domain name. The SysOps administrator needs to configure Amazon Route 53 to route traffic to the NLB.

Which solution will meet these requirements MOST cost-effectively?

- A. Create a Route 53 AAAA record for the NLB.
- B. Create a Route 53 alias record for the NLB.
- C. Create a Route 53 CAA record for the NLB.
- D. Create a Route 53 CNAME record for the NLB.

Answer: B

NEW QUESTION 125

- (Exam Topic 1)

A company has an initiative to reduce costs associated with Amazon EC2 and AWS Lambda. Which action should a SysOps administrator take to meet these requirements?

- A. Analyze the AWS Cost and Usage Report by using Amazon Athena to identify cost savings.
- B. Create an AWS Budgets alert to alarm when account spend reaches 80% of the budget.
- C. Purchase Reserved Instances through the Amazon EC2 console.
- D. Use AWS Compute Optimizer and take action on the provided recommendations.

Answer: D

NEW QUESTION 126

- (Exam Topic 1)

A company has a new requirement stating that all resources in AWS must be tagged according to a set policy. Which AWS service should be used to enforce and continually identify all resources that are not in compliance with the policy?

- A. AWS CloudTrail
- B. Amazon Inspector
- C. AWS Config
- D. AWS Systems Manager

Answer: C

NEW QUESTION 129

- (Exam Topic 1)

A SysOps administrator is optimizing the cost of a workload. The workload is running in multiple AWS Regions and is using AWS Lambda with Amazon EC2 On-Demand Instances for the compute. The overall usage is predictable. The amount of compute that is consumed in each Region varies, depending on the users' locations.

Which approach should the SysOps administrator use to optimize this workload?

- A. Purchase Compute Savings Plans based on the usage during the past 30 days
- B. Purchase Convertible Reserved Instances by calculating the usage baseline.
- C. Purchase EC2 Instance Savings Plane based on the usage during the past 30 days
- D. Purchase Standard Reserved Instances by calculating the usage baseline.

Answer: C

NEW QUESTION 133

- (Exam Topic 1)

A company stores files on 50 Amazon S3 buckets in the same AWS Region. The company wants to connect to the S3 buckets securely over a private connection from its Amazon EC2 instances. The company needs a solution that produces no additional cost.

Which solution will meet these requirements?

- A. Create a gateway VPC endpoint for each S3 bucket
- B. Attach the gateway VPC endpoints to each subnet inside the VPC.
- C. Create an interface VPC endpoint for each S3 bucket
- D. Attach the interface VPC endpoints to each subnet inside the VPC.
- E. Create one gateway VPC endpoint for all the S3 bucket
- F. Add the gateway VPC endpoint to the VPC route table.
- G. Create one interface VPC endpoint for all the S3 bucket
- H. Add the interface VPC endpoint to the VPC route table.

Answer: C

NEW QUESTION 138

- (Exam Topic 1)

A company is managing many accounts by using a single organization in AWS Organizations. The organization has all features enabled. The company wants to turn on AWS Config in all the accounts of the organization and in all AWS Regions.

What should a Sysops administrator do to meet these requirements in the MOST operationally efficient way?

- A. Use AWS CloudFormation StackSets to deploy stack instances that turn on AWS Config in all accounts and in all Regions.
- B. Use AWS CloudFormation StackSets to deploy stack policies that turn on AWS Config in all accounts and in all Regions.
- C. Use service control policies (SCPs) to configure AWS Config in all accounts and in all Regions.
- D. Create a script that uses the AWS CLI to turn on AWS Config in all accounts in the organization
- E. Run the script from the organization's management account.

Answer: C

NEW QUESTION 142

- (Exam Topic 1)

A company's AWS Lambda function is experiencing performance issues. The Lambda function performs many CPU-intensive operations. The Lambda function is not running fast enough and is creating bottlenecks in the system.

What should a SysOps administrator do to resolve this issue?

- A. In the CPU launch options for the Lambda function, activate hyperthreading.
- B. Turn off the AWS managed encryption.
- C. Increase the amount of memory for the Lambda function.
- D. Load the required code into a custom layer.

Answer: C

Explanation:

Increasing the amount of memory for the Lambda function will help to improve the performance of the function. This is because the Lambda function is CPU-intensive and increasing the memory will give it access to more CPU resources and help it run faster. The other options (activating hyperthreading in the CPU launch options for the Lambda function, turning off the AWS managed encryption, and loading the required code into a custom layer) will not help to improve the performance of the Lambda function and are not the correct solutions for this issue.

<https://docs.aws.amazon.com/lambda/latest/dg/configuration-function-common.html#configuration-memory-con>

NEW QUESTION 147

- (Exam Topic 1)

A SysOps administrator is tasked with deploying a company's infrastructure as code. The SysOps administrator wants to write a single template that can be reused for multiple environments.

How should the SysOps administrator use AWS CloudFormation to create a solution?

- A. Use Amazon EC2 user data in a CloudFormation template
- B. Use nested stacks to provision resources
- C. Use parameters in a CloudFormation template
- D. Use stack policies to provision resources

Answer: C

Explanation:

Reuse templates to replicate stacks in multiple environments After you have your stacks and resources set up, you can reuse your templates to replicate your infrastructure in multiple environments. For example, you can create environments for development, testing, and production so that you can test changes before implementing them into production. To make templates reusable, use the parameters, mappings, and conditions sections so that you can customize your stacks when you create them. For example, for your development environments, you can specify a lower-cost instance type compared to your production environment, but all other configurations and settings remain the same. <https://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/best-practices.html#reuse>

NEW QUESTION 152

- (Exam Topic 1)

A SysOps administrator configuring AWS Client VPN to connect use's on a corporate network to AWS resources mat are running in a VPC According to compliance requirements, only traffic that is destined for the VPC can travel across the VPN tunnel. How should the SysOps administrator configure Client VPN to meet these requirements?

- A. Associate the Client VPN endpoint with a private subnet that has an internet route through a NAT gateway.
- B. On the Client VPN endpoint, turns on the split-tunnel option.
- C. On the Client VPN endpoint, specify DNS server IP addresses
- D. Select a private certificate to use as the identity certificate tor the VPN client.

Answer: C

NEW QUESTION 157

- (Exam Topic 1)

A company is deploying a third-party unit testing solution that is delivered as an Amazon EC2 Amazon Machine Image (AMI). All system configuration data is stored in Amazon DynamoDB. The testing results are stored in Amazon S3.

A minimum of three EC2 instances are required to operate the product. The company's testing team wants to use an additional three EC2 Instances when the Spot Instance prices are at a certain threshold. A SysOps administrator must Implement a highly available solution that provides this functionality.

Which solution will meet these requirements with the LEAST operational overhead?

- A. Define an Amazon EC2 Auto Scaling group by using a launch configuratio
- B. Use the provided AMI In the launch configuratio
- C. Configure three On-Demand Instances and three Spot Instance
- D. Configure a maximum Spot Instance price In the launch configuration.
- E. Define an Amazon EC2 Auto Scaling group by using a launch templat
- F. Use the provided AMI in the launch templat
- G. Configure three On-Demand Instances and three Spot Instance
- H. Configure a maximum Spot Instance price In the launch template.
- I. Define two Amazon EC2 Auto Scaling groups by using launch configuration
- J. Use the provided AMI in the launch configuration
- K. Configure three On-Demand Instances for one Auto Scaling grou
- L. Configure three Spot Instances for the other Auto Scaling grou
- M. Configure a maximum Spot Instance price in the launch configuration for the Auto Scaling group that has Spot Instances.
- N. Define two Amazon EC2 Auto Scaling groups by using launch template
- O. Use the provided AMI in the launch template
- P. Configure three On-DemandInstances for one Auto Scaling grou
- Q. Configure three Spot Instances for the other Auto Scaling group
- R. Configure a maximum Spot Instance price in the launch template for the Auto Scaling group that has Spot Instances.

Answer: A

Explanation:

- > <https://docs.aws.amazon.com/autoscaling/ec2/userguide/LaunchTemplates.html>
- > <https://docs.aws.amazon.com/autoscaling/ec2/userguide/LaunchConfiguration.html>

NEW QUESTION 159

- (Exam Topic 1)

A SysOps administrator is deploying an application on 10 Amazon EC2 instances. The application must be highly available. The instances must be placed on distinct underlying hardware.

What should the SysOps administrator do to meet these requirements?

- A. Launch the instances into a cluster placement group in a single AWS Region.
- B. Launch the instances into a partition placement group in multiple AWS Regions.
- C. Launch the instances into a spread placement group in multiple AWS Regions.
- D. Launch the instances into a spread placement group in single AWS Region

Answer: D

Explanation:

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

NEW QUESTION 160

- (Exam Topic 1)

A company runs workloads on 90 Amazon EC2 instances in the eu-west-1 Region in an AWS account. In 2 months, the company will migrate the workloads from eu-west-1 to the eu-west-3 Region.

The company needs to reduce the cost of the EC2 instances. The company is willing to make a 1-year commitment that will begin next week. The company must choose an EC2 Instance purchasing option that will provide discounts for the 90 EC2 Instances regardless of Region during the 1-year period. Which solution will meet these requirements?

- A. Purchase EC2 Standard Reserved Instances.
- B. Purchase an EC2 Instance Savings Plan.
- C. Purchase EC2 Convertible Reserved Instances.
- D. Purchase a Compute Savings Plan.

Answer: B

NEW QUESTION 164

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