

Amazon-Web-Services

Exam Questions SOA-C03

AWS Certified CloudOps Engineer - Associate



NEW QUESTION 1

An ecommerce company uses Amazon ElastiCache (Redis OSS) for caching product queries. The CloudOps engineer observes a large number of cache evictions in Amazon CloudWatch metrics and needs to reduce evictions while retaining popular data in cache.

Which solution meets these requirements with the least operational overhead?

- A. Add another node to the ElastiCache cluster.
- B. Increase the ElastiCache TTL value.
- C. Decrease the ElastiCache TTL value.
- D. Migrate to a new ElastiCache cluster with larger nodes.

Answer: D

NEW QUESTION 2

A company uses an AWS Lambda function to process user uploads to an Amazon S3 bucket. The Lambda function runs in response to Amazon S3 PutObject events.

A SysOps administrator needs to set up monitoring for the Lambda function. The SysOps administrator wants to receive a notification through an Amazon Simple Notification Service (Amazon SNS) topic if the function takes more than 10 seconds to process an event.

Which solution will meet this requirement?

- A. Collect Amazon CloudWatch logs for the Lambda function
- B. Create a metric filter to extract the PostRuntimeExtensionsDuration metric from the log
- C. Create a CloudWatch alarm to publish a notification to the SNS topic when the function runtime exceeds 10 seconds.
- D. Collect Amazon CloudWatch metrics for the Lambda function to extract the function runtime
- E. Create a CloudWatch alarm to publish a notification to the SNS topic when the runtime exceeds 10 seconds.
- F. Configure an Amazon CloudWatch metric filter to capture the runtime of the Lambda function
- G. Set the function's timeout setting to 10 seconds
- H. Create an SNS subscription to alert the SysOps administrator if the function times out.
- I. Use Amazon CloudWatch Logs Insights to query Lambda logs for the function runtime
- J. Set up a CloudWatch alarm based on the query result
- K. Configure Amazon SNS to send notifications when function runtime exceeds 10 seconds.

Answer: B

NEW QUESTION 3

A CloudOps engineer is configuring an Amazon CloudFront distribution to use an SSL/TLS certificate. The CloudOps engineer must ensure automatic certificate renewal.

Which combination of steps will meet this requirement? (Select TWO.)

- A. Use a certificate issued by AWS Certificate Manager (ACM).
- B. Use a certificate issued by a third-party certificate authority (CA).
- C. Configure CloudFront to automatically renew the certificate when the certificate expires.
- D. Configure email validation for the certificate.
- E. Configure DNS validation for the certificate.

Answer: AE

NEW QUESTION 4

A company is performing deployments of an application at regular intervals. Users report that the application sometimes does not work properly. The company discovers that some users' browsers are fetching previous versions of the JavaScript files. The application runs on Amazon EC2 instances behind an Application Load Balancer (ALB). The ALB is the origin for an Amazon CloudFront distribution.

A SysOps administrator must implement a solution to ensure that CloudFront serves the latest version of the JavaScript files. The solution must not affect application server performance.

Which solution will meet these requirements?

- A. Reduce the maximum TTL and default TTL of the CloudFront distribution behavior to 0.
- B. Add a final step in the deployment process to invalidate all files in the CloudFront distribution.
- C. Add a final step in the deployment process to invalidate only the changed JavaScript files in the CloudFront distribution.
- D. Remove CloudFront from the path of serving JavaScript files
- E. Serve the JavaScript files directly through the ALB.

Answer: C

NEW QUESTION 5

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 notifications 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 metric
- 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 metric
- D. Configure an Amazon Simple Queue Service (Amazon SQS) queue for email notification.
- E. Use the AWS Health Dashboard to monitor each Trusted Advisor service quota metric
- F. Configure an Amazon SQS queue for email notification.
- G. Use the AWS Health Dashboard to monitor each Trusted Advisor service quota metric
- H. Configure an Amazon SNS topic for email notification.

Answer: A

NEW QUESTION 6

A company runs a website on Amazon EC2 instances. Users can upload images to an Amazon S3 bucket and publish the images to the website. The company wants to deploy a serverless image-processing application that uses an AWS Lambda function to resize the uploaded images. The company's development team has created the Lambda function. A CloudOps engineer must implement a solution to invoke the Lambda function when users upload new images to the S3 bucket. Which solution will meet this requirement?

- A. Configure an Amazon Simple Notification Service (Amazon SNS) topic to invoke the Lambda function when a user uploads a new image to the S3 bucket.
- B. Configure an Amazon CloudWatch alarm to invoke the Lambda function when a user uploads a new image to the S3 bucket.
- C. Configure S3 Event Notifications to invoke the Lambda function when a user uploads a new image to the S3 bucket.
- D. Configure an Amazon Simple Queue Service (Amazon SQS) queue to invoke the Lambda function when a user uploads a new image to the S3 bucket.

Answer: C

NEW QUESTION 7

A company applies user-defined tags to AWS resources. Twenty days after applying the tags, the company notices that the tags cannot be used to filter views in the AWS Cost Explorer console. What is the reason for this issue?

- A. It takes at least 30 days before tags can be used in Cost Explorer.
- B. The company has not activated the user-defined tags for cost allocation.
- C. The company has not created an AWS Cost and Usage Report.
- D. The company has not created a usage budget in AWS Budgets.

Answer: B

NEW QUESTION 8

A company manages a set of AWS accounts by using AWS Organizations. The company's security team wants to use a native AWS service to regularly scan all AWS accounts against the Center for Internet Security (CIS) AWS Foundations Benchmark. What is the MOST operationally efficient way to meet these requirements?

- A. Designate a central security account as the AWS Security Hub administrator account.
- B. Use scripts to invite and accept member accounts.
- C. Run the CIS AWS Foundations Benchmark by using Amazon Inspector.
- D. Designate a central security account as the Amazon GuardDuty administrator account and configure CIS scans.
- E. Designate an AWS Security Hub administrator account, automatically enroll new organization accounts, and enable CIS AWS Foundations Benchmark.

Answer: D

NEW QUESTION 9

An errant process is known to use an entire processor and run at 100% CPU. A CloudOps engineer wants to automate restarting an Amazon EC2 instance when the problem occurs for more than 2 minutes. How can this be accomplished?

- A. Create an Amazon CloudWatch alarm for the EC2 instance with basic monitoring.
- B. Add an action to restart the instance.
- C. Create an Amazon CloudWatch alarm for the EC2 instance with detailed monitoring.
- D. Add an action to restart the instance.
- E. Create an AWS Lambda function to restart the EC2 instance, invoked on a scheduled basis every 2 minutes.
- F. Create an AWS Lambda function to restart the EC2 instance, invoked by EC2 health checks.

Answer: B

NEW QUESTION 10

A SysOps administrator is configuring an Auto Scaling group of Amazon EC2 instances for an application. The average CPU utilization of the instances in the Auto Scaling group must remain at approximately 40% when the load on the application changes. Which solution will meet this requirement in the MOST operationally efficient manner?

- A. Create a scheduled scaling action.
- B. Configure the action to run at times when the application typically experiences an increase in traffic.
- C. Configure a simple scaling policy.
- D. Create an Amazon CloudWatch alarm that enters ALARM state when CPU utilization is greater than 40%. Associate the alarm with the scaling policy.
- E. Configure a step scaling policy.
- F. Create an Amazon CloudWatch alarm that enters ALARM state when CPU utilization is greater than 40%. Associate the alarm with the scaling policy.
- G. Configure a target tracking scaling policy.
- H. Specify a target value of 40 for average CPU utilization.

Answer: D

NEW QUESTION 10

A company hosts an encrypted Amazon S3 bucket in the ap-southeast-2 Region. Users from the eu-west-2 Region access the S3 bucket through the internet. The users from eu-west-2 need faster transfers to and from the S3 bucket for large files. Which solution will meet these requirements?

- A. Create an S3 access point in eu-west-2 to use as the destination for S3 replication from ap-southeast-2. Ensure all users switch to the new S3 access point.
- B. Create an Amazon Route 53 hosted zone with a geolocation routing policy.
- C. Choose the Alias to S3 website endpoint option.

- D. Specify the S3 bucket that is in ap-southeast-2 as the source bucket.
- E. Create a new S3 bucket in eu-west-2. Copy all contents from ap-southeast-2 to the new bucket in eu-west-2. Create an S3 access point, and associate it with both bucket
- F. Ensure users use the new S3 access point.
- G. Configure and activate S3 Transfer Acceleration on the S3 bucket
- H. Use the new S3 acceleration endpoint's domain name for access.

Answer: D

NEW QUESTION 14

An Amazon EC2 instance is running an application that uses Amazon Simple Queue Service (Amazon SQS) queues. A CloudOps engineer 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 services. 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 17

An Amazon EC2 instance is running an application that uses Amazon Simple Queue Service (Amazon SQS) queues. A CloudOps engineer 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 permissions and embed credentials in the application configuration.
- B. Create an IAM user with permissions and export credentials as environment variables.
- C. Create and associate an IAM role for EC2. Attach a policy that allows sqs:* permissions.
- D. Create and associate an IAM role for EC2. Attach a policy that allows SendMessage, ReceiveMessage, and DeleteMessage permissions.

Answer: D

NEW QUESTION 21

A financial services company stores customer images in an Amazon S3 bucket in the us-east-1 Region. To comply with regulations, the company must ensure that all existing objects are replicated to an S3 bucket in a second AWS Region. If an object replication fails, the company must be able to retry replication for the object.

What solution will meet these requirements?

- A. Configure Amazon S3 Cross-Region Replication (CRR). Use Amazon S3 live replication to replicate existing objects.
- B. Configure Amazon S3 Cross-Region Replication (CRR). Use S3 Batch Replication to replicate existing objects.
- C. Configure Amazon S3 Cross-Region Replication (CRR). Use S3 Replication Time Control (S3 RTC) to replicate existing objects.
- D. Use S3 Lifecycle rules to move objects to the destination bucket in a second Region.

Answer: B

NEW QUESTION 23

A CloudOps engineer needs to ensure that AWS resources across multiple AWS accounts are tagged consistently. The company uses an organization in AWS Organizations to centrally manage the accounts. The company wants to implement cost allocation tags to accurately track the costs that are allocated to each business unit.

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

- A. Use Organizations tag policies to enforce mandatory tagging on all resource
- B. Enable cost allocation tags in the AWS Billing and Cost Management console.
- C. Configure AWS CloudTrail events to invoke an AWS Lambda function to detect untagged resources and to automatically assign tags based on predefined rules.
- D. Use AWS Config to evaluate tagging compliance
- E. Use AWS Budgets to apply tags for cost allocation.
- F. Use AWS Service Catalog to provision only pre-tagged resource
- G. Use AWS Trusted Advisor to enforce tagging across the organization.

Answer: A

NEW QUESTION 25

A company has a multi-account AWS environment that includes the following:

- A central identity account that contains all IAM users and groups
- Several member accounts that contain IAM roles

A SysOps administrator must grant permissions for a particular IAM group to assume a role in one of the member accounts. How should the SysOps administrator accomplish this task?

- A. In the member account, add sts:AssumeRole permissions to the role's policy
- B. In the identity account, add a trust policy to the group that specifies the account number of the member account.
- C. In the member account, add the group Amazon Resource Name (ARN) to the role's trust policy

- D. In the identity account, add an inline policy to the group with sts:AssumeRole permissions.
- E. In the member account, add the group Amazon Resource Name (ARN) to the role's trust polic
- F. In the identity account, add an inline policy to the group with sts:PassRole permissions.
- G. In the member account, add the group Amazon Resource Name (ARN) to the role's inline polic
- H. In the identity account, add a trust policy to the group with sts:AssumeRole permissions.

Answer: B

NEW QUESTION 26

A company has an AWS CloudFormation template that includes an AWS::EC2::Instance resource and a custom resource (Lambda function). The Lambda function fails because it runs before the EC2 instance is launched.

Which solution will resolve this issue?

- A. Add a DependsOn attribute to the custom resourc
- B. Specify the EC2 instance in the DependsOn attribute.
- C. Update the custom resource's service token to point to a valid Lambda function.
- D. Update the Lambda function to use the cfn-response module to send a response to the custom resource.
- E. Use the Fn::If intrinsic function to check for the EC2 instance before the custom resource runs.

Answer: A

NEW QUESTION 29

A company uses Amazon ElastiCache (Redis OSS) to cache application data. A CloudOps engineer must implement a solution to increase the resilience of the cache and minimize the recovery time objective (RTO).

Which solution will meet these requirements?

- A. Replace ElastiCache (Redis OSS) with ElastiCache (Memcached).
- B. Create an Amazon EventBridge rule to initiate a backup every hour.
- C. Create a read replica in a second Availability Zone and enable Multi-AZ for the Redisreplication group.
- D. Enable automatic backups and restore the backups when necessary.

Answer: C

NEW QUESTION 32

A company has users that deploy Amazon EC2 instances with more Amazon EBS performance capacity than required. A CloudOps engineer must review all EBS volumes and create cost optimization recommendations based on IOPS and throughput.

What should the CloudOps engineer do in the MOST operationally efficient way?

- A. Review EC2 console monitoring graphs manually.
- B. Change instance types to EBS-optimized.
- C. Opt in to AWS Compute Optimizer and review EBS volume recommendations.
- D. Run fio benchmarks on each instance.

Answer: C

NEW QUESTION 35

A CloudOps engineer must ensure that all of a company's current and future Amazon S3 buckets have logging enabled. If an S3 bucket does not have logging enabled, an automated process must enable logging for the S3 bucket.

Which solution will meet these requirements?

- A. Use AWS Trusted Advisor to perform a check for S3 buckets that do not have logging enable
- B. Configure the check to enable logging for S3 buckets that do not have logging enabled.
- C. Configure an S3 bucket policy that requires all current and future S3 buckets to have logging enabled.
- D. Use the s3-bucket-logging-enabled AWS Config managed rul
- E. Add a remediation action that uses an AWS Lambda function to enable logging.
- F. Use the s3-bucket-logging-enabled AWS Config managed rul
- G. Add a remediation action that uses the AWS-ConfigureS3BucketLogging AWS Systems Manager Automation runbook.

Answer: D

NEW QUESTION 37

A company uses AWS Organizations to manage multiple AWS accounts. A CloudOps engineer must identify all IPv4 ports open to 0.0.0.0/0 across the organization's accounts.

Which solution will meet this requirement with the LEAST operational effort?

- A. Use the AWS CLI to print all security group rules for review.
- B. Review AWS Trusted Advisor findings in an organizational view for the Security Groups – Specific Ports Unrestricted check.
- C. Create an AWS Lambda function to gather security group rules from all account
- D. Aggregate the findings in an Amazon S3 bucket.
- E. Enable Amazon Inspector in each accoun
- F. Run an automated workload discovery job.

Answer: B

NEW QUESTION 39

A CloudOps engineer has created a VPC that contains a public subnet and a private subnet. Amazon EC2 instances that were launched in the private subnet cannot access the internet. The default network ACL is active on all subnets in the VPC, and all security groups allow outbound traffic.

Which solution will provide the EC2 instances in the private subnet with access to the internet?

- A. Create a NAT gateway in the public subne
- B. Create a route from the private subnet to the NAT gateway.
- C. Create a NAT gateway in the public subne
- D. Create a route from the public subnet to the NAT gateway.
- E. Create a NAT gateway in the private subne
- F. Create a route from the public subnet to the NAT gateway.
- G. Create a NAT gateway in the private subne
- H. Create a route from the private subnet to the NAT gateway.

Answer: A

NEW QUESTION 42

A company is migrating its production file server to AWS. All data stored on the file server must remain accessible if an Availability Zone becomes unavailable or during system maintenance. Users must access the file server through the SMB protocol and manage permissions by using Windows ACLs. Which solution will meet these requirements?

- A. Create a single AWS Storage Gateway file gateway.
- B. Create an Amazon FSx for Windows File Server Multi-AZ file system.
- C. Deploy two AWS Storage Gateway file gateways in two Availability Zones behind an Application Load Balancer.
- D. Deploy two Amazon FSx for Windows File Server Single-AZ file systems and configure DFS Replication.

Answer: B

NEW QUESTION 43

A web application runs on Amazon EC2 instances in the us-east-1 Region and the us-west-2 Region. The instances run behind an Application Load Balancer (ALB) in each Region. An Amazon Route 53 hosted zone controls DNS records. The instances in us-east-1 are production resources. The instances in us-west-2 are for disaster recovery. EC2 Auto Scaling groups are configured based on the ALBRequestCountPerTarget metric in both Regions. A SysOps administrator must implement a solution that provides failover from us-east-1 to us-west-2. The instances in us-west-2 must be used only for failover. Which solution will meet these requirements?

- A. Implement a Route 53 health check and a failover routing policy for the hosted zon
- B. Configure the failover routing policy to automatically redirect traffic to the resources in us- west-2.
- C. Implement a Route 53 health check and a latency routing policy for the hosted zon
- D. Configure the latency routing policy to automatically redirect traffic to the resources in us- west-2.
- E. In us-east-1, create an Amazon CloudWatch alarm that enters ALARM state when an EC2 instance is terminate
- F. In us-west-2, create an AWS Lambda function that modifies the Route 53 hosted zone records to send traffic to us-west-2. Configure the CloudWatch alarm to invoke the Lambda function.
- G. In us-west-2, create an Amazon CloudWatch alarm that enters ALARM state when resources in us-east-1 cannot be resolve
- H. In us-west-2, create an AWS Lambda function that modifies the Route 53 hosted zone records to send traffic to us-west-2. Configure the CloudWatch alarm to invoke the Lambda function.

Answer: A

NEW QUESTION 47

A company has a VPC that contains a public subnet and a private subnet. The company deploys an Amazon EC2 instance that uses an Amazon Linux Amazon Machine Image (AMI) and has the AWS Systems Manager Agent (SSM Agent) installed in the private subnet. The EC2 instance is in a security group that allows only outbound traffic.

A CloudOps engineer needs to give a group of privileged administrators the ability to connect to the instance through SSH without exposing the instance to the internet.

Which solution will meet this requirement?

- A. Create an EC2 Instance Connect endpoint in the private subne
- B. Update the security group to allow inbound SSH traffi
- C. Create an IAM group for privileged administrator
- D. Assign the PowerUserAccess managed policy to the IAM group.
- E. Create a Systems Manager endpoint in the private subne
- F. Update the security group to allow SSH traffic from the private network where the Systems Manager endpoint is connecte
- G. Create an IAM group for privileged administrator
- H. Assign the PowerUserAccess managed policy to the IAM group.
- I. Create an EC2 Instance Connect endpoint in the public subne
- J. Update the security group to allow SSH traffic from the private networ
- K. Create an IAM group for privileged administrator
- L. Assign the PowerUserAccess managed policy to the IAM group.
- M. Create a Systems Manager endpoint in the public subne
- N. Create an IAM role that has the AmazonSSMManagedInstanceCore permission for the EC2 instanc
- O. Create an IAM group for privileged administrator
- P. Assign the AmazonEC2ReadOnlyAccess IAM policy to the IAM group.

Answer: A

NEW QUESTION 51

A SysOps administrator must load test a new Amazon CloudFront distribution to assess data transfer and latency performance. Which solution will meet this requirement?

- A. Send client requests from a single geographic regio
- B. Configure the load test so that each client makes an identical DNS reques

- C. Focus the client requests on the IP address that the DNS returns.
- D. Send client requests from a single geographic region
- E. Configure the load test so that each client makes an independent DNS request
- F. Spread the client requests across the set of IP addresses that the DNS returns.
- G. Send client requests from multiple geographic region
- H. Configure the load test so that each client makes an identical DNS request
- I. Focus the client requests on the IP address that the DNS returns.
- J. Send client requests from multiple geographic region
- K. Configure the load test so that each client makes an independent DNS request
- L. Spread the client requests across the set of IP addresses that the DNS returns.

Answer: D

NEW QUESTION 55

A CloudOps engineer must manage the security of an AWS account. Recently, an IAM user's access key was mistakenly uploaded to a public code repository. The engineer must identify everything that was changed using this compromised key. How should the CloudOps engineer meet these requirements?

- A. Create an Amazon EventBridge 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 initiated with 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 60

A company uses AWS CloudFormation to manage a stack of Amazon EC2 instances. A CloudOps engineer needs to keep the EC2 instances and their data even if the stack is deleted. Which solution will meet these requirements?

- A. Set the DeletionPolicy attribute to Snapshot.
- B. Use Amazon Data Lifecycle Manager (DLM).
- C. Create an AWS Backup plan.
- D. Set the DeletionPolicy attribute to Retain.

Answer: D

NEW QUESTION 61

A CloudOps engineer wants to configure observability of specific metrics for a public website that runs on Amazon Elastic Kubernetes Service (Amazon EKS). The CloudOps engineer wants to observe latency, traffic, errors, and saturation metrics. The CloudOps engineer wants to define service level objectives (SLOs) and monitor service level indicators (SLIs). The CloudOps engineer also wants to correlate metrics, logs, and traces to support faster issue resolution. Which solution will meet these requirements with the LEAST operational effort?

- A. Use Amazon CloudWatch Application Signals to automatically collect and monitor the specified metrics for the EKS workloads.
- B. Configure AWS Distro for OpenTelemetry and use Amazon Managed Service for Prometheus and Amazon Managed Grafana.
- C. Configure Amazon CloudWatch RUM and CloudWatch Synthetics canaries.
- D. Configure Amazon CloudWatch Application Insights.

Answer: A

NEW QUESTION 65

A company deploys AWS infrastructure in a VPC that has an internet gateway. The VPC has public subnets and private subnets. An Amazon RDS for MySQL DB instance is deployed in a private subnet. An AWS Lambda function uses the same private subnet and connects to the DB instance to query data. A developer modifies the Lambda function to require the function to publish messages to an Amazon Simple Queue Service (Amazon SQS) queue. After these changes, the Lambda function times out when it tries to publish messages to the SQS queue. Which solutions will resolve this issue? (Select TWO.)

- A. Reconfigure the Lambda function so that the function is not connected to the VPC.
- B. Deploy an RDS proxy
- C. Configure the Lambda function to connect to the DB instance through the proxy.
- D. Deploy a NAT gateway
- E. Update the private subnet's route table to route all traffic to the NAT gateway.
- F. Create an interface VPC endpoint for Amazon SQS in the VPC.
- G. Create a gateway endpoint for Amazon SQS in the VPC.

Answer: CD

NEW QUESTION 68

A CloudOps engineer is maintaining a web application that uses an Amazon CloudFront web distribution, an Application Load Balancer (ALB), Amazon RDS, and Amazon EC2 in a VPC. All services have logging enabled. The CloudOps engineer needs to investigate HTTP Layer 7 status codes from the web application. Which log sources contain the status codes? (Select TWO.)

- A. VPC Flow Logs
- B. AWS CloudTrail logs
- C. ALB access logs
- D. CloudFront access logs
- E. RDS logs

Answer: CD

NEW QUESTION 69

A company requires the rotation of administrative credentials for production workloads on a regular basis. A CloudOps engineer must implement this policy for an Amazon RDS DB instance's master user password.

Which solution will meet this requirement with the LEAST operational effort?

- A. Create an AWS Lambda function to change the RDS master user password.
- B. Create an Amazon EventBridge scheduled rule to invoke the Lambda function.
- C. Create a new SecureString parameter in AWS Systems Manager Parameter Store.
- D. Encrypt the parameter with an AWS Key Management Service (AWS KMS) key.
- E. Configure automatic rotation.
- F. Create a new String parameter in AWS Systems Manager Parameter Store.
- G. Configure automatic rotation.
- H. Create a new RDS database secret in AWS Secrets Manager.
- I. Apply the secret to the RDS DB instance.
- J. Configure automatic rotation.

Answer: D

NEW QUESTION 70

A CloudOps engineer has successfully deployed a VPC with an AWS CloudFormation template. The CloudOps engineer wants to deploy the same template across multiple accounts that are managed through AWS Organizations.

Which solution will meet this requirement with the LEAST operational overhead?

- A. Assume the OrganizationAccountAccessRole IAM role from the management account.
- B. Deploy the template in each of the accounts.
- C. Create an AWS Lambda function to assume a role in each account.
- D. Deploy the template by using the AWS CloudFormation CreateStack API call.
- E. Create an AWS Lambda function to query for a list of accounts.
- F. Deploy the template by using the AWS CloudFormation CreateStack API call.
- G. Use AWS CloudFormation StackSets from the management account to deploy the template in each of the accounts.

Answer: D

NEW QUESTION 75

A company uses an Amazon Simple Queue Service (Amazon SQS) queue and Amazon EC2 instances in an Auto Scaling group with target tracking for a web application. The company collects the ASGAverageNetworkIn metric but notices that instances do not scale fast enough during peak traffic. There are a large number of SQS messages accumulating in the queue.

A CloudOps engineer must reduce the number of SQS messages during peak periods. Which solution will meet this requirement?

- A. Define and use a new custom Amazon CloudWatch metric based on the SQS ApproximateNumberOfMessagesDelayed metric in the target tracking policy.
- B. Define and use Amazon CloudWatch metric math to calculate the SQS queue backlog for each instance in the target tracking policy.
- C. Define and use step scaling by specifying a ChangeInCapacity value for the EC2 instances.
- D. Define and use simple scaling by specifying a ChangeInCapacity value for the EC2 instances.

Answer: B

NEW QUESTION 80

A company uses a large number of Linux-based Amazon EC2 instances to run business operations. The company uses AWS Systems Manager to manage the EC2 instances. The company wants to ensure that the Systems Manager Agent (SSM Agent) is always up to date with the latest version.

Which solution will meet this requirement in the MOST operationally efficient way?

- A. Enable the Auto update SSM Agent setting in Systems Manager Fleet Manager.
- B. Subscribe to SSM Agent GitHub notifications and use Lambda to update agents.
- C. Enable the Auto update SSM Agent setting in Systems Manager Patch Manager.
- D. Use GitHub notifications and a Systems Manager Automation document.

Answer: A

NEW QUESTION 85

A CloudOps engineer creates a new VPC that contains a private subnet, a security group that allows all outbound traffic, and an endpoint for Amazon EC2 Instance Connect in a private subnet. The CloudOps engineer associates the security group with EC2 Instance Connect.

The CloudOps engineer launches an EC2 instance from an Amazon Linux Amazon Machine Image (AMI) in the private subnet. The CloudOps engineer launches the EC2 instance without an SSH key pair.

The CloudOps engineer tries to connect to the instance by using the EC2 Instance Connect endpoint. However, the connection fails.

How can the CloudOps engineer connect to the instance?

- A. Create an inbound rule in the security group to allow HTTPS traffic on port 443 from the private subnet.
- B. Create an inbound rule in the security group to allow SSH traffic on port 22 from the private subnet.
- C. Create an IAM instance profile that allows AWS Systems Manager Session Manager to access the EC2 instance.
- D. Associate the instance profile with the instance.
- E. Recreate the EC2 instance.
- F. Associate an SSH key pair with the instance.

Answer: B

NEW QUESTION 89

A global company runs a critical primary workload in the us-east-1 Region. The company wants to ensure business continuity with minimal downtime in case of a workload failure. The company wants to replicate the workload to a second AWS Region.

A CloudOps engineer needs a solution that achieves a recovery time objective (RTO) of less than 10 minutes and a zero recovery point objective (RPO) to meet service level agreements.

Which solution will meet these requirements?

- A. Implement a pilot light architecture that provides real-time data replication in the second Region
- B. Configure Amazon Route 53 health checks and automated DNS failover.
- C. Implement a warm standby architecture that provides regular data replication in a second Region
- D. Configure Amazon Route 53 health checks and automated DNS failover.
- E. Implement an active-active architecture that provides real-time data replication across two Region
- F. Use Amazon Route 53 health checks and a weighted routing policy.
- G. Implement a custom script to generate a regular backup of the data and store it in an S3 bucket that is in a second Region
- H. Use the backup to launch the application in the second Region in the event of a workload failure.

Answer: C

NEW QUESTION 94

A company runs a retail website on multiple Amazon EC2 instances behind an Application Load Balancer (ALB). The company must secure traffic to the website over an HTTPS connection.

Which combination of actions should a SysOps administrator take to meet these requirements? (Select TWO.)

- A. Attach the certificate to each EC2 instance.
- B. Attach the certificate to the ALB.
- C. Create a private certificate in AWS Certificate Manager (ACM).
- D. Create a public certificate in AWS Certificate Manager (ACM).
- E. Export the certificate, and attach it to the website.

Answer: BD

NEW QUESTION 95

A company uses AWS Systems Manager Session Manager to manage EC2 instances in the eu-west-1 Region. The company wants private connectivity using VPC endpoints.

Which VPC endpoints are required to meet these requirements? (Select THREE.)

- A. com.amazonaws.eu-west-1.ssm
- B. com.amazonaws.eu-west-1.ec2messages
- C. com.amazonaws.eu-west-1.ec2
- D. com.amazonaws.eu-west-1.ssmmessages
- E. com.amazonaws.eu-west-1.s3
- F. com.amazonaws.eu-west-1.states

Answer: ABD

NEW QUESTION 97

A company is storing backups in an Amazon S3 bucket. These backups must not be deleted for at least 3 months after creation. What should the CloudOps engineer do?

- A. Configure an IAM policy that denies the s3:DeleteObject action for all user
- B. Three months after an object is written, remove the policy.
- C. Enable S3 Object Lock on a new S3 bucket in compliance mod
- D. Place all backups in the new S3 bucket with a retention period of 3 months.
- E. Enable S3 Versioning on the existing S3 bucket
- F. Configure S3 Lifecycle rules to protect the backups.
- G. Enable S3 Object Lock on a new S3 bucket in governance mod
- H. Place all backups in the new S3 bucket with a retention period of 3 months.

Answer: B

NEW QUESTION 99

A company has a workload that is sending log data to Amazon CloudWatch Logs. One of the fields includes a measure of application latency. A CloudOps engineer needs to monitor the p90 statistic of this field over time.

What should the CloudOps engineer do to meet this requirement?

- A. Create an Amazon CloudWatch Contributor Insights rule on the log data.
- B. Create a metric filter on the log data.
- C. Create a subscription filter on the log data.
- D. Create an Amazon CloudWatch Application Insights rule for the workload.

Answer: B

NEW QUESTION 104

A CloudOps engineer needs to set up alerting and remediation for a web application. The application consists of Amazon EC2 instances that have AWS Systems Manager Agent (SSM Agent) installed. Each EC2 instance runs a custom web server. The EC2 instances run behind a load balancer and write logs locally. The CloudOps engineer must implement a solution that restarts the web server software automatically if specific web errors are detected in the logs.

Which combination of steps will meet these requirements? (Select THREE.)

- A. Install the Amazon CloudWatch agent on the EC2 instances.
- B. Create an AWS CloudTrail metric filter for the web log
- C. Configure an alarm for the specific errors.
- D. Create an Amazon CloudWatch metric filter for the web log
- E. Configure an alarm for the specific errors.
- F. Publish alarm findings to Amazon Simple Email Service (Amazon SES). Invoke an AWS Lambda function to restart the web server software.
- G. Create an Amazon EventBridge rule that responds to the alarm
- H. Configure the rule to invoke an AWS Systems Manager Automation runbook to restart the web server software.
- I. Create an Amazon Simple Notification Service (Amazon SNS) notification that responds to the alarm
- J. Configure the notification to invoke an AWS Systems Manager Automation runbook to restart the web server software.

Answer: ACE

NEW QUESTION 105

A media company hosts a public news and video portal on AWS. The portal uses an Amazon DynamoDB table with provisioned capacity to maintain an index of video files that are stored in an Amazon S3 bucket. During a recent event, millions of visitors came to the portal for news. This increase in traffic caused read requests to be throttled in the DynamoDB table. Videos could not be displayed in the portal. The company's operations team manually increased the provisioned capacity on a temporary basis to meet the demand. The company wants the operations team to receive an alert before the table is throttled in the future. The company has created an Amazon Simple Notification Service (Amazon SNS) topic and has subscribed the operations team's email address to the SNS topic. What should the company do next to meet these requirements?

- A. Create an Amazon CloudWatch alarm that uses the ConsumedReadCapacityUnits metric
- B. Set the alarm threshold to a value that is close to the DynamoDB table's provisioned capacity
- C. Configure the alarm to publish notifications to the SNS topic.
- D. Turn on auto scaling on the DynamoDB table
- E. Configure an Amazon EventBridge rule to publish notifications to the SNS topic during scaling events.
- F. Turn on Amazon CloudWatch Logs for the DynamoDB table
- G. Create an Amazon CloudWatch metric filter to pattern match the THROTTLING_EXCEPTION status code from DynamoDB
- H. Create a CloudWatch alarm for the metric
- I. Select the SNS topic for notifications.
- J. Configure the application to store logs in Amazon CloudWatch Log
- K. Create an Amazon CloudWatch metric filter to pattern match the THROTTLING_EXCEPTION status code from DynamoDB
- L. Create a CloudWatch alarm for the metric
- M. Select the SNS topic for notifications.

Answer: A

NEW QUESTION 107

A company hosts a web application on an Amazon EC2 instance. The web server logs are published to Amazon CloudWatch Logs. The log events have the same structure and include the HTTP response codes associated with user requests. The company needs to monitor the number of times the web server returns an HTTP 404 response. What is the MOST operationally efficient solution that meets these requirements?

- A. Create a CloudWatch Logs metric filter that counts the number of times the web server returns an HTTP 404 response.
- B. Create a CloudWatch Logs subscription filter that counts the number of HTTP 404 responses.
- C. Create an AWS Lambda function that runs a CloudWatch Logs Insights query every hour.
- D. Create a script that runs a CloudWatch Logs Insights query every hour.

Answer: A

NEW QUESTION 110

A company's application servers in AWS account 111122223333 use a security group sg-1234abcd. They need to access a database hosted in account 444455556666. The VPCs are connected using a VPC peering connection (pcx-b04deed9). A CloudOps engineer must configure the database's security group to allow new connections only from the application servers. What should the engineer do?

- A. Add an inbound rule to the database's security group
- B. Reference 111122223333/sg-1234abcd as the source.
- C. Add an inbound rule to the database's security group
- D. Reference pcx-b04deed9/sg-1234abcd as the source.
- E. Add an inbound rule to the database's security group
- F. Reference sg-1234abcd as the source.
- G. Add an inbound rule to the database's security group
- H. Reference 444455556666/sg-1234abcd as the source.

Answer: C

NEW QUESTION 115

A CloudOps engineer created a VPC with a private subnet, a security group allowing all outbound traffic, and an endpoint for EC2 Instance Connect in the private subnet. The EC2 instance was launched without an SSH key pair, using the same subnet and security group. However, the engineer cannot connect via EC2 Instance Connect endpoint. How can the CloudOps engineer connect to the instance?

- A. Create an inbound rule in the security group to allow HTTPS traffic on port 443 from the private subnet.
- B. Create an inbound rule in the security group to allow SSH traffic on port 22 from the private subnet.
- C. Create an IAM instance profile that allows AWS Systems Manager Session Manager to access the EC2 instance.
- D. Associate the instance profile with the instance.
- E. Recreate the EC2 instance

F. Associate an SSH key pair with the instance.

Answer: C

NEW QUESTION 119

A company is storing backups in an Amazon S3 bucket. The backups must not be deleted for at least 3 months after the backups are created. What should a CloudOps engineer do to meet this requirement?

- A. Configure an IAM policy that denies the s3:DeleteObject action for all user
- B. Remove the policy after three months.
- C. Enable S3 Object Lock on a new S3 bucket in compliance mod
- D. Place all backups in the new S3 bucket with a retention period of 3 months.
- E. Enable S3 Versioning on the existing S3 bucke
- F. Configure S3 Lifecycle rules to protect the backups.
- G. Enable S3 Object Lock on a new S3 bucket in governance mod
- H. Place all backups in the new S3 bucket with a retention period of 3 months.

Answer: B

NEW QUESTION 121

A company uses multiple Amazon RDS databases to support an application. The application receives all its traffic during weekdays and is idle during weekends. The company wants a solution to automatically manage the RDS DB instances during idle periods to optimize costs. Which solution will meet these requirements?

- A. Use a cron job to automatically scale down the RDS DB instance type during weekends.
- B. Configure Instance Scheduler on AWS to stop the RDS DB instances at the beginning of each weekend and to start the instances at the end of each weekend.
- C. Purchase Reserved Instances for the RDS DB instances.
- D. Use the auto scaling feature of Amazon RDS to automatically adjust the DB instance type based on CPU utilization.

Answer: B

NEW QUESTION 125

A company plans to migrate several of its high-performance computing (HPC) virtual machines to Amazon EC2. The deployment must minimize network latency and maximize network throughput between the instances. Which placement group strategy should the CloudOps engineer choose?

- A. Deploy the instances in a cluster placement group in one Availability Zone.
- B. Deploy the instances in a partition placement group in two Availability Zones.
- C. Deploy the instances in a partition placement group in one Availability Zone.
- D. Deploy the instances in a spread placement group in two Availability Zones.

Answer: A

NEW QUESTION 128

.....

Thank You for Trying Our Product

We offer two products:

1st - We have Practice Tests Software with Actual Exam Questions

2nd - Questions and Answers in PDF Format

SOA-C03 Practice Exam Features:

- * SOA-C03 Questions and Answers Updated Frequently
- * SOA-C03 Practice Questions Verified by Expert Senior Certified Staff
- * SOA-C03 Most Realistic Questions that Guarantee you a Pass on Your First Try
- * SOA-C03 Practice Test Questions in Multiple Choice Formats and Updates for 1 Year

100% Actual & Verified — Instant Download, Please Click
[Order The SOA-C03 Practice Test Here](#)