



# Amazon-Web-Services

## Exam Questions SOA-C03

AWS Certified CloudOps Engineer - Associate

#### NEW QUESTION 1

A company's reporting job that previously ran in 15 minutes is now taking 1 hour. The application runs on Amazon EC2 and extracts data from an Amazon RDS for MySQL DB instance.

CloudWatch metrics show high Read IOPS even when reports are not running. The CloudOps engineer must improve performance and availability. Which solution will meet these requirements?

- A. Configure Amazon ElastiCache and query it for reports.
- B. Deploy an RDS read replica and update the reporting job to query the reader endpoint.
- C. Create a CloudFront distribution with the RDS instance as the origin.
- D. Increase the size of the RDS instance.

**Answer: B**

#### NEW QUESTION 2

An environment consists of 100 Amazon EC2 Windows instances. The Amazon CloudWatch agent is deployed and running on all EC2 instances with a baseline configuration file to capture log files. There is a new requirement to capture DHCP log files that exist on 50 of the instances.

What is the MOST operationally efficient way to meet this new requirement?

- A. Create an additional CloudWatch agent configuration file to capture the DHCP log
- B. Use AWS Systems Manager Run Command to restart the CloudWatch agent on each EC2 instance with the append-config option.
- C. Log in to each EC2 instance with administrator rights and create a PowerShell script to push logs to CloudWatch.
- D. Run the CloudWatch agent configuration wizard on each EC2 instance and add DHCP logs manually.
- E. Run the CloudWatch agent configuration wizard on each EC2 instance and select the advanced detail level.

**Answer: A**

#### 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 file
- 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 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.
- E. Use the AWS Health Dashboard to monitor each Trusted Advisor service quota metri
- F. Configure an Amazon SQS queue for email notification.
- G. Use the AWS Health Dashboard to monitor each Trusted Advisor service quota metri
- H. Configure an Amazon SNS topic for email notification.

**Answer: A**

#### NEW QUESTION 6

A company has a new security policy that requires all Amazon Elastic Block Store (Amazon EBS) volumes to be encrypted at rest. The company needs to use a custom key policy to manage access to the encryption keys. The company must rotate the keys once each year.

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

- A. Create AWS KMS symmetric customer managed key
- B. Enable automatic key rotation.
- C. Use AWS owned AWS KMS keys across the company's AWS environment.
- D. Create AWS KMS asymmetric customer managed key
- E. Enable automatic key rotation.
- F. Create AWS KMS symmetric customer managed keys by using imported key materia
- G. Rotate the keys on a yearly basis.

**Answer:** A

#### NEW QUESTION 7

A company runs a business application on more than 300 Linux-based instances. Each instance has the AWS Systems Manager Agent (SSM Agent) installed. The company expects the number of instances to grow in the future. All business application instances have the same user-defined tag. A CloudOps engineer wants to run a command on all the business application instances to download and install a package from a private repository. To avoid overwhelming the repository, the CloudOps engineer wants to ensure that no more than 30 downloads occur at one time. Which solution will meet this requirement in the MOST operationally efficient way?

- A. Use a secondary tag to create 10 batches of 30 instances eac
- B. Use a Systems Manager Run Command document to download and install the packag
- C. Run each batch one time.
- D. Use an AWS Lambda function to automatically run a Systems Manager Run Command documen
- E. Set reserved concurrency for the Lambda function to 30.
- F. Use a Systems Manager Run Command document to download and install the package. Use rate control to set concurrency to 30. Specify the target by using the user-defined tag.
- G. Use a parallel workflow state in AWS Step Function
- H. Set the number of parallel states to 30.

**Answer:** C

#### NEW QUESTION 8

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 monitorin
- B. Add an action to restart the instance.
- C. Create an Amazon CloudWatch alarm for the EC2 instance with detailed monitorin
- 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 9

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 polic
- C. Choose the Alias to S3 website endpoint optio
- 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 bucke
- H. Use the new S3 acceleration endpoint's domain name for access.

**Answer:** D

#### NEW QUESTION 10

A company is using an Amazon Aurora MySQL DB cluster that has point-in-time recovery, backtracking, and automatic backups enabled. A CloudOps engineer needs to be able to roll back the DB cluster to a specific recovery point within the previous 72 hours. Restores must be completed in the same production DB cluster. Which solution will meet these requirements?

- A. Create an Aurora Replic
- B. Promote the replica to replace the primary DB instance.
- C. Create an AWS Lambda function to restore an automatic backup to the existing DB cluster.
- D. Use backtracking to rewind the existing DB cluster to the desired recovery point.
- E. Use point-in-time recovery to restore the existing DB cluster to the desired recovery point.

**Answer:** C

#### NEW QUESTION 10

A company is implementing security and compliance by using AWS Trusted Advisor. The company's CloudOps team is validating the list of Trusted Advisor checks that it can access. Which factor will affect the quantity of available Trusted Advisor checks?

- A. Whether at least one Amazon EC2 instance is in the running state
- B. The AWS Support plan
- C. An AWS Organizations service control policy (SCP)
- D. Whether the AWS account root user has multi-factor authentication (MFA) enabled

**Answer: B**

#### NEW QUESTION 13

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 16

A CloudOps engineer needs to control access to groups of Amazon EC2 instances using AWS Systems Manager Session Manager. Specific tags on the EC2 instances have already been added.

Which additional actions should the CloudOps engineer take to control access? (Select TWO.)

- A. Attach an IAM policy to the users or groups that require access to the EC2 instances.
- B. Attach an IAM role to control access to the EC2 instances.
- C. Create a placement group for the EC2 instances and add a specific tag.
- D. Create a service account and attach it to the EC2 instances that need to be controlled.
- E. Create an IAM policy that grants access to any EC2 instances with a tag specified in the Condition element.

**Answer: AE**

#### NEW QUESTION 20

A company runs an application that logs user data to an Amazon CloudWatch Logs log group. The company discovers that personal information the application has logged is visible in plain text in the CloudWatch logs.

The company needs a solution to redact personal information in the logs by default. Unredacted information must be available only to the company's security team. Which solution will meet these requirements?

- A. Create an Amazon S3 bucket
- B. Create an export task from appropriate log groups in CloudWatch
- C. Export the logs to the S3 bucket
- D. Configure an Amazon Macie scan to discover personal data in the S3 bucket
- E. Invoke an AWS Lambda function to move identified personal data to a second S3 bucket
- F. Update the S3 bucket policies to grant only the security team access to both buckets.
- G. Create a customer managed AWS KMS key
- H. Configure the KMS key policy to allow only the security team to perform decrypt operation
- I. Associate the KMS key with the application log group.
- J. Create an Amazon CloudWatch data protection policy for the application log group
- K. Configure data identifiers for the types of personal information that the application log
- L. Ensure that the security team has permission to call the unmask API operation on the application log group.
- M. Create an OpenSearch domain
- N. Create an AWS Glue workflow that runs a Detect PII transform job and streams the output to the OpenSearch domain
- O. Configure the CloudWatch log group to stream the logs to AWS Glue
- P. Modify the OpenSearch domain access policy to allow only the security team to access the domain.

**Answer: C**

#### NEW QUESTION 21

A company plans to run a public web application on Amazon EC2 instances behind an Elastic Load Balancing (ELB) load balancer. The company's security team wants to protect the website by using AWS Certificate Manager (ACM) certificates. The load balancer must automatically redirect any HTTP requests to HTTPS.

Which solution will meet these requirements?

- A. Create an Application Load Balancer that has one HTTPS listener on port 80. Attach an SSL/TLS certificate to port 80.
- B. Create an Application Load Balancer that has one HTTP listener on port 80 and one HTTPS listener on port 443. Attach an SSL/TLS certificate to port 443. Create a rule to redirect requests from port 80 to port 443.
- C. Create an Application Load Balancer that has two TCP listeners on ports 80 and 443. Attach an SSL/TLS certificate to port 443.
- D. Create a Network Load Balancer with TCP listeners on ports 80 and 443. Attach an SSL/TLS certificate to port 443.

**Answer: B**

#### NEW QUESTION 26

A company's CloudOps engineer monitors multiple AWS accounts in an organization and checks each account's AWS Health Dashboard. After adding 10 new accounts, the engineer wants to consolidate health alerts from all accounts.

Which solution meets this requirement with the least operational effort?

- A. Enable organizational view in AWS Health.

- B. Configure the Health Dashboard in each account to forward events to a central AWS CloudTrail log.
- C. Create an AWS Lambda function to query the AWS Health API and write all events to an Amazon DynamoDB table.
- D. Use the AWS Health API to write events to an Amazon DynamoDB table.

**Answer:** A

#### NEW QUESTION 30

A SysOps administrator monitors and maintains the availability of resources in an AWS environment. The SysOps administrator notices that the CPU utilization of an Amazon EC2 instance that runs web server software peaks above 80% at various times during each day. The CPU spikes correlate with peak daily loads. The high CPU load has resulted in performance issues for customers.

The SysOps administrator needs to resolve the system performance issue without causing any service disruptions. Which solution will meet these requirements?

- A. Configure an Amazon CloudWatch alarm that invokes an AWS Systems Manager Automation runbook to vertically scale the EC2 instance when the CPU utilization exceeds 80%.
- B. Configure an AWS Systems Manager Automation runbook to run a script that automatically restarts the application when CPU utilization exceeds 80%.
- C. Configure an Amazon EventBridge rule that invokes an AWS Systems Manager Automation document.
- D. Configure the document to increase the EC2 instance size when CPU utilization exceeds 80%.
- E. Set up an Auto Scaling group with an Amazon CloudWatch alarm that triggers a scaling policy to launch additional EC2 instances when the CPU utilization exceeds 80%.

**Answer:** D

#### NEW QUESTION 34

A company has an application that collects notifications from thousands of alarm systems. Notifications include alarm notifications and information notifications. All notifications are stored in an Amazon Simple Queue Service (Amazon SQS) queue. Amazon EC2 instances in an Auto Scaling group process the messages.

A CloudOps engineer needs to prioritize alarm notifications over information notifications. Which solution will meet these requirements?

- A. Scale the Auto Scaling group faster when message volume increases.
- B. Use Amazon SNS fanout to send messages to all EC2 instances.
- C. Add an Amazon DynamoDB stream to accelerate processing.
- D. Create separate SQS queues for alarm notifications and information notifications and process alarm messages first.

**Answer:** D

#### NEW QUESTION 35

A company is running an ecommerce application on AWS. The application maintains many open but idle connections to an Amazon Aurora DB cluster. During times of peak usage, the database produces the following error message: "Too many connections." The database clients are also experiencing errors. Which solution will resolve these errors?

- A. Increase the read capacity units (RCUs) and the write capacity units (WCUs) on the database.
- B. Configure RDS Prox
- C. Update the application with the RDS Proxy endpoint.
- D. Turn on enhanced networking for the DB instances.
- E. Modify the DB cluster to use a burstable instance type.

**Answer:** B

#### NEW QUESTION 38

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 Redis replication group.
- D. Enable automatic backups and restore the backups when necessary.

**Answer:** C

#### NEW QUESTION 42

A SysOps administrator creates a custom Amazon Machine Image (AMI) in the eu-west-2 Region and uses the AMI to launch Amazon EC2 instances. The SysOps administrator needs to use the same AMI to launch EC2 instances in two other Regions: us-east-1 and us-east-2.

What must the SysOps administrator do to use the custom AMI in the additional Regions?

- A. Copy the AMI to the additional Regions
- B. Make the AMI public in the Community AMIs section of the AWS Management Console
- C. Share the AMI to the additional Region
- D. Assign the required access permissions.
- E. Copy the AMI to a new Amazon S3 bucket
- F. Assign access permissions to the AMI for the additional Regions

**Answer:** A

#### NEW QUESTION 44

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 rule
- E. Add a remediation action that uses an AWS Lambda function to enable logging.
- F. Use the s3-bucket-logging-enabled AWS Config managed rule
- G. Add a remediation action that uses the AWS-ConfigureS3BucketLogging AWS Systems Manager Automation runbook.

**Answer:** D

#### NEW QUESTION 49

A company operates compute resources in a VPC and in the company's on-premises data center. The company already has an AWS Direct Connect connection between the VPC and the on-premises data center.

A CloudOps engineer needs to ensure that Amazon EC2 instances in the VPC can resolve DNS names for hosts in the on-premises data center.

Which solution will meet this requirement with the LEAST amount of ongoing maintenance?

- A. Create an Amazon Route 53 private hosted zone
- B. Populate the zone with the hostnames and IP addresses of the hosts in the on-premises data center.
- C. Create an Amazon Route 53 Resolver outbound endpoint
- D. Add the IP addresses of an on-premises DNS server for the domain names that need to be forwarded.
- E. Set up a forwarding rule for reverse DNS queries in Amazon Route 53 Resolver
- F. Set the enableDnsHostnames attribute to true for the VPC.
- G. Add the hostnames and IP addresses for the on-premises hosts to the /etc/hosts file of each EC2 instance.

**Answer:** B

#### NEW QUESTION 53

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

**Answer:** A

#### NEW QUESTION 54

A CloudOps engineer creates a new VPC that includes a public subnet and a private subnet. The CloudOps engineer successfully launches 11 Amazon EC2 instances in the private subnet. The CloudOps engineer attempts to launch one more EC2 instance in the same subnet but receives an error stating that not enough free IP addresses are available.

What must the CloudOps engineer do to deploy more EC2 instances?

- A. Edit the private subnet to change the CIDR block to /27.
- B. Edit the private subnet to extend across a second Availability Zone.
- C. Assign additional Elastic IP addresses to the private subnet.
- D. Create a new private subnet to hold the required EC2 instances.

**Answer:** D

#### NEW QUESTION 57

A company plans to host an application on Amazon EC2 instances distributed across multiple Availability Zones. The application must scale to millions of requests per second and handle sudden and volatile traffic patterns. The solution must use a single static IP address per Availability Zone.

Which solution will meet these requirements?

- A. Amazon Simple Queue Service (Amazon SQS)
- B. Application Load Balancer
- C. AWS Global Accelerator
- D. Network Load Balancer

**Answer:** C

#### NEW QUESTION 61

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 CloudOps engineer must make the application highly available.

Which action should the CloudOps engineer 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 64

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 region
- B. Configure the load test so that each client makes an identical DNS request
- 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 regions
- 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 regions
- 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 68

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 69

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 72

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 73

A company has a web application that is experiencing performance problems many times each night. A root cause analysis reveals sudden increases in CPU utilization that last 5 minutes on an Amazon EC2 Linux instance. A CloudOps engineer must find the process ID (PID) of the service or process that is consuming more CPU. What should the CloudOps engineer do to collect the process utilization information with the LEAST amount of effort?

- A. Configure the Amazon CloudWatch agent procstat plugin to capture CPU process metrics.
- B. Configure an AWS Lambda function to run every minute to capture the PID and send a notification.
- C. Log in to the EC2 instance each night and run the top command.
- D. Use the default Amazon CloudWatch CPUUtilization metric.

**Answer: A**

#### NEW QUESTION 77

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 82

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 86

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 88

A CloudOps engineer has created an AWS Service Catalog portfolio and shared it with a second AWS account in the company, managed by a different CloudOps engineer.

Which action can the CloudOps engineer in the second account perform?

- A. Add a product from the imported portfolio to a local portfolio.
- B. Add new products to the imported portfolio.
- C. Change the launch role for the products contained in the imported portfolio.
- D. Customize the products in the imported portfolio.

**Answer:** A

#### 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 Regions.
- 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

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 CloudOps engineer analyzes the flow logs. The flow logs include the following records:

? ACCEPT from 192.168.0.13:59003 172.31.16.139:8080

? REJECT from 172.31.16.139:8080 192.168.0.13:59003

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:** D

#### NEW QUESTION 96

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 100

A company needs to monitor its website's availability to end users. The company needs a solution to provide an Amazon Simple Notification Service (Amazon SNS) notification if the website's uptime decreases to less than 99%. The monitoring must provide an accurate view of the user experience on the website.

Which solution will meet these requirements?

- A. Create an Amazon CloudWatch alarm that is based on the website's logs that are published to a CloudWatch Logs log grou
- B. Configure the alarm to publish an SNS notification if the number of HTTP 4xx and 5xx errors exceeds a specified threshold.
- C. Create an Amazon CloudWatch alarm that is based on the website's published metrics in CloudWatc
- D. Configure the alarm to publish an SNS notification based on anomaly detection.
- E. Create an Amazon CloudWatch Synthetics heartbeat monitoring canar
- F. Associate the canary with the website's UR
- G. Create a CloudWatch alarm for the canar
- H. Configure the alarm to publish an SNS notification if the value of the SuccessPercent metric is less than 99%.
- I. Create an Amazon CloudWatch Synthetics broken link checker monitoring canar
- J. Associate the canary with the website's UR
- K. Create a CloudWatch alarm for the canar
- L. Configure the alarm to publish an SNS notification if the value of the SuccessPercent metric is less than 99%.

**Answer:** C

#### NEW QUESTION 101

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 104

A company has two AWS accounts connected by a transit gateway. Each account has one VPC in the same AWS Region. The company wants to simplify inbound and outbound rules in security groups by referencing security group IDs instead of IP CIDR blocks.

Which solution will meet this requirement?

- A. Create VPC peering connections and remove the transit gateway.
- B. Enable security group referencing support on the transit gateway.
- C. Enable security group referencing support on each transit gateway attachment.
- D. Deploy private NAT gateways in each VPC.

Answer: C

NEW QUESTION 105

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