# Amazon-Web-Services

## Exam Questions SOA-C03

AWS Certified CloudOps Engineer - Associate

**NEW QUESTION 1**
A company's website runs on an Amazon EC2 Linux instance. The website needs to serve PDF files from an Amazon S3 bucket. All public access to the S3 bucket is blocked at the account level. The company needs to allow website users to download the PDF files.
Which solution will meet these requirements with the LEAST administrative effort?

A. Create an IAM role that has a policy that allows s3:list* and s3:get* permission
B. Assign the role to the EC2 instanc
C. Assign a company employee to download requested PDF files to the EC2 instance and deliver the files to website user
D. Create an AWS Lambda function to periodically delete local files.
E. Create an Amazon CloudFront distribution that uses an origin access control (OAC) that points to the S3 bucke
F. Apply a bucket policy to the bucket to allow connections from the CloudFront distributio
G. Assign a company employee to provide a download URL that contains the distribution URL and the object path to users when users request PDF files.
H. Change the S3 bucket permissions to allow public access on the source S3 bucke
I. Assign a company employee to provide a PDF file URL to users when users request the PDF files.
J. Deploy an EC2 instance that has an IAM instance profile to a public subne
K. Use a signed URL from the EC2 instance to provide temporary access to the S3 bucket for website users.

**Answer:** B

**NEW QUESTION 2**
A company uses memory-optimized Amazon EC2 instances behind a Network Load Balancer (NLB) to run an application. The company launched the EC2 instances from an AWS-provided Red Hat Enterprise Linux (RHEL) AMI.
A CloudOps engineer must monitor RAM utilization in 5-minute intervals. The CloudOps engineer must ensure that the EC2 instances scale in and out appropriately based on incoming load.
Which solution will meet these requirements?

A. Configure detailed monitoring for the EC2 instance
B. Configure the Amazon CloudWatch agent on the EC2 instance
C. Create an EC2 Auto Scaling group and Auto Scaling policy that is based on the mem_active metric.
D. Configure detailed monitoring for the EC2 instance
E. Use the mem_used_percent metric that the detailed monitoring feature provide
F. Create an IAM role that allows the CloudWatch agent to upload dat
G. Create an EC2 Auto Scaling group and Auto Scaling policy that is based on the mem_used_percent metric.
H. Configure basic monitoring for the EC2 instance
I. Configure the Amazon CloudWatch agent on the EC2 instance
J. Create an IAM role that allows the CloudWatch agent to upload dat
K. Create an EC2 Auto Scaling group and Auto Scaling policy that is based on the mem_used_percent metric.
L. Configure basic monitoring for the EC2 instance
M. Use the standard mem_used_percent metric for monitorin
N. Create an EC2 Auto Scaling group and Auto Scaling policy that is based on the mem_used_percent metric.

**Answer:** C

**NEW QUESTION 3**
A company hosts a static website in an Amazon S3 bucket, accessed globally via Amazon CloudFront. The Cache-Control max-age header is set to 1 hour, and Maximum TTL is set to 5 minutes. The CloudOps engineer observes that CloudFront is not caching objects for the expected duration.
What is the reason for this issue?

A. The Expires header has been set to 3 hours.
B. Cached assets are not expiring in the edge location.
C. Cache invalidation is missing in the CloudFront configuration.
D. Cache-duration settings conflict with each other.

**Answer:** D

**NEW QUESTION 4**
A company runs an application on Amazon EC2 instances in an Auto Scaling group. Scale- out actions take a long time because of long-running boot scripts. The CloudOps engineer must reduce scale-out time without overprovisioning.
Which solution will meet these requirements?

A. Change the launch configuration to use a larger instance size.
B. Increase the minimum number of instances in the Auto Scaling group.
C. Add a predictive scaling policy to the Auto Scaling group.
D. Add a warm pool to the Auto Scaling group.

**Answer:** D

**NEW QUESTION 5**
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 complianc

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 6**
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 7**
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 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 accoun
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 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 10**
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 10**
An application runs on Amazon EC2 instances that are in an Auto Scaling group. A CloudOps engineer needs to implement a solution that provides a central storage location for errors that the application logs to disk. The solution must also provide an alert when the application logs an error.
What should the CloudOps engineer do to meet these requirements?

A. Deploy and configure the Amazon CloudWatch agent on the EC2 instances to log to a CloudWatch log grou
B. Create a metric filter on the target CloudWatch log grou
C. Create a CloudWatch alarm that publishes to an Amazon Simple Notification Service (Amazon SNS) topic that has an email subscription.
D. Create a cron job on the EC2 instances to identify errors and push the errors to an Amazon CloudWatch metric filte
E. Configure the filter to publish to an Amazon Simple Notification Service (Amazon SNS) topic that has an SMS subscription.
F. Deploy an AWS Lambda function that pushes the errors directly to Amazon CloudWatch Log
G. Configure the Lambda function to run every time the log file is updated on disk.
H. Create an Auto Scaling lifecycle hook that invokes an EC2-based script to identify error
I. Configure the script to push the error messages to an Amazon CloudWatch log group when the EC2 instances scale i
J. Create a CloudWatch alarm that publishes to an Amazon Simple Notification Service (Amazon SNS) topic that has an email subscription when the number of error messages exceeds a threshold.

**Answer:** A

**NEW QUESTION 13**
A company must ensure that all Amazon EC2 Windows instances that are launched in an AWS account have a third-party agent installed. The company uses AWS Systems Manager, and the Windows instances are tagged appropriately. The company must deploy periodic updates to the third-party agent when the updates become available.
Which combination of steps will meet these requirements with the LEAST operational effort? (Select TWO.)

A. Create a Systems Manager Distributor package for the third-party agent.
B. Create a Systems Manager OpsItem that includes the tag value for Window
C. Attach Systems Manager inventory to the OpsItem.
D. Create an AWS Lambda functio
E. Program the Lambda function to log in to each instance and to install or update the third-party agent as needed.
F. Create a Systems Manager State Manager association to run the AWS- RunRemoteScript documen
G. Populate the details of the third-party agent package.
H. Create a Systems Manager State Manager association to run the AWS- ConfigureAWSPackage documen
I. Populate the details of the third-party agent packag
J. Specify instance targets based on the appropriate tag value for Windows.

**Answer:** AE

**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 18**
A medical research company uses an Amazon Bedrock powered AI assistant with agents and knowledge bases to provide physicians quick access to medical study protocols. The company needs to generate audit reports that contain user identities, usage data for Bedrock agents, access data for knowledge bases, and interaction parameters.
Which solution will meet these requirements?

A. Use AWS CloudTrail to log API events from generative AI workload
B. Store the events in CloudTrail Lak
C. Use SQL-like queries to generate reports.
D. Use Amazon CloudWatch to capture generative AI application log
E. Stream the logs to Amazon OpenSearch Servic
F. Use an OpenSearch dashboard visualization to generate reports.
G. Use Amazon CloudWatch to log API events from generative AI workload
H. Send the events to an Amazon S3 bucke
I. Use Amazon Athena queries to generate reports.
J. Use AWS CloudTrail to capture generative AI application log
K. Stream the logs to Amazon Managed Service for Apache Flin
L. Use SQL queries to generate reports.

**Answer:** A

**NEW QUESTION 20**
A CloudOps engineer creates an AWS CloudFormation template to define an application stack that can be deployed in multiple AWS Regions. The CloudOps engineer also creates an Amazon CloudWatch dashboard by using the AWS Management Console. Each deployment of the application requires its own CloudWatch dashboard.
How can the CloudOps engineer automate the creation of the CloudWatch dashboard each time the application is deployed?

A. Create a script by using the AWS CLI to run the aws cloudformation put-dashboard command with the name of the dashboar

B. Run the command each time a new CloudFormation stack is created.
C. Export the existing CloudWatch dashboard as JSO
D. Update the CloudFormation template to define an AWS::CloudWatch::Dashboard resourc
E. Include the exported JSON in the resource's DashboardBody property.
F. Update the CloudFormation template to define an AWS::CloudWatch::Dashboard resourc
G. Use the intrinsic Ref function to reference the ID of the existing CloudWatch dashboard.
H. Update the CloudFormation template to define an AWS::CloudWatch::Dashboard resourc
I. Specify the name of the existing dashboard in the DashboardName property.

**Answer:** B

**NEW QUESTION 25**
A CloudOps engineer needs to build an event infrastructure for custom application- specific events. The events must be sent to an AWS Lambda function for processing. The CloudOps engineer must record the events so they can be replayed later by event type or event time.
Which solution will meet these requirements?

A. Create an Amazon EventBridge custom event bus, create an archive, and create a rule to send events to Lambda.
B. Create an archive on the default event bus and use pattern matching.
C. Create an EventBridge pipe and store events in an archive.
D. Create a CloudWatch Logs log group and route events there.

**Answer:** A

**NEW QUESTION 28**
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 29**
A company needs to enforce tagging requirements for Amazon DynamoDB tables in its AWS accounts. A CloudOps engineer must implement a solution to identify and remediate all DynamoDB tables that do not have the appropriate tags.
Which solution will meet these requirements with the LEAST operational overhead?

A. Create a custom AWS Lambda function to evaluate and remediate all DynamoDB table
B. Create an Amazon EventBridge scheduled rule to invoke the Lambda function.
C. Create a custom AWS Lambda function to evaluate and remediate all DynamoDB table
D. Create an AWS Config custom rule to invoke the Lambda function.
E. Use the required-tags AWS Config managed rule to evaluate all DynamoDB tables for the appropriate tag
F. Configure an automatic remediation action that uses an AWS Systems Manager Automation custom runbook.
G. Create an Amazon EventBridge managed rule to evaluate all DynamoDB tables for the appropriate tag
H. Configure the EventBridge rule to run an AWS Systems Manager Automation custom runbook for remediation.

**Answer:** C

**NEW QUESTION 33**
An AWS Lambda function is intermittently failing several times a day. A CloudOps engineer must find out how often this error occurred in the last 7 days.
Which action will meet this requirement in the MOST operationally efficient manner?

A. Use Amazon Athena to query the Amazon CloudWatch logs that are associated with the Lambda function.
B. Use Amazon Athena to query the AWS CloudTrail logs that are associated with the Lambda function.
C. Use Amazon CloudWatch Logs Insights to query the associated Lambda function logs.
D. Use Amazon OpenSearch Service to stream the Amazon CloudWatch logs for the Lambda function.

**Answer:** C

**NEW QUESTION 38**
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 39**
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 40**
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 41**
A company has a microservice that runs on a set of Amazon EC2 instances. The EC2 instances run behind an Application Load Balancer (ALB).
A CloudOps engineer must use Amazon Route 53 to create a record that maps the ALB URL to example.com.
Which type of record will meet this requirement?

A. An A record
B. An AAAA record
C. An alias record
D. A CNAME record

**Answer:** C

**NEW QUESTION 45**
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 zon
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 endpoin
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 Resolve
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 50**
To comply with regulations, a SysOps administrator needs to back up an Amazon EC2 Amazon Machine Image (AMI) to an Amazon S3 bucket. If the SysOps administrator restores the AMI from the bucket in the future, the AMI must use the same AMI image ID as the original AMI.
Which solution will meet this requirement?

A. Create a copy of the AM
B. Specify the destination S3 bucke
C. Set the launch permissionsto implicit.
D. Archive the snapshot that is associated with the AM
E. Specify the S3 bucket as the archive destination.
F. Create a store image tas
G. Specify the image ID and the destination S3 bucket.
H. Use the AWS CLI copy-image comman
I. Specify the image ID and the destination S3 bucket.

**Answer:** C

**NEW QUESTION 55**
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 56**
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 59**
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 60**
A company runs an application on an Amazon EC2 instance. The application uses a MySQL database. The EC2 instance has a General Purpose SSD (gp3) Amazon EBS volume attached. The company wants to perform load testing using a new MySQL database created from an EBS snapshot of the production instance. The new database must perform as similarly as possible to production.
Which solution will meet these requirements in the LEAST amount of time?

A. Use Amazon EBS fast snapshot restore (FSR) to create a new General Purpose SSD volume from the production snapshot.
B. Use Amazon EBS fast snapshot restore (FSR) to create a new Provisioned IOPS SSD volume from the production snapshot.
C. Use Amazon EBS standard snapshot restore to create a new General Purpose SSD volume from the production snapshot.
D. Use Amazon EBS standard snapshot restore to create a new Provisioned IOPS SSD volume from the production snapshot.

**Answer:** A

**NEW QUESTION 61**
A company's security policy requires incoming SSH traffic to be restricted to a defined set of addresses. The company is using an AWS Config rule to check whether security groups allow unrestricted incoming SSH traffic.
A CloudOps engineer discovers a noncompliant resource and fixes the security group manually. The CloudOps engineer wants to automate the remediation of other noncompliant resources.
What is the MOST operationally efficient solution that meets these requirements?

A. Create a CloudWatch alarm for the AWS Config rule and invoke a Lambda function to remediate.
B. Configure an automatic remediation action on the AWS Config rule using AWS- DisableIncomingSSHOnPort22.
C. Create an EventBridge rule for AWS Config events and invoke a Lambda function.
D. Run a scheduled Lambda function to inspect and remediate security groups.

**Answer:** B

**NEW QUESTION 63**
A company uses an organization in AWS Organizations to manage multiple AWS accounts. The company needs to send specific events from all the accounts in the organization to a new receiver account, where an AWS Lambda function will process the events.
A CloudOps engineer configures Amazon EventBridge to route events to a target event bus in the us-west-2 Region in the receiver account. The CloudOps engineer creates rules in both the sender and receiver accounts that match the specified events. The rules do not specify an account parameter in the event pattern. IAM roles are created in the sender accounts to allow PutEvents actions on the target event bus.
However, the first test events from the us-east-1 Region are not processed by the Lambda function in the receiving account.
What is the likely reason the events are not processed?

A. Interface VPC endpoints for EventBridge are required in the sender accounts and receiver accounts.
B. The target Lambda function is in a different AWS Region, which is not supported by EventBridge.
C. The resource-based policy on the target event bus must be modified to allow PutEvents API calls from the sender accounts.
D. The rule in the receiving account must specify {"account": ["sender-account-id"]} in its event pattern and must include the receiving account ID.

**Answer:** C

**NEW QUESTION 68**
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 regio
E. Configure the load test so that each client makes an independent DNS reques
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 reques
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 reques
L. Spread the client requests across the set of IP addresses that the DNS returns.

**Answer:** D

**NEW QUESTION 69**
A company??s security policy prohibits connecting to Amazon EC2 instances through SSH and RDP. Instead, staff must use AWS Systems Manager Session Manager. Users report they cannot connect to one Ubuntu instance, even though they can connect to others.
What should a CloudOps engineer do to resolve this issue?

A. Add an inbound rule for port 22 in the security group associated with the Ubuntu instance.
B. Assign the AmazonSSMManagedInstanceCore managed policy to the EC2 instance profile for the Ubuntu instance.
C. Configure the SSM Agent to log in with a user name of "ubuntu".
D. Generate a new key pair, configure Session Manager to use this new key pair, and provide the private key to the users.

**Answer:** B

**NEW QUESTION 74**
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 CloudOps engineer 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

**NEW QUESTION 76**
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 prox
C. Configure the Lambda function to connect to the DB instance through the proxy.
D. Deploy a NAT gatewa
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 80**
A company maintains a list of 75 approved Amazon Machine Images (AMIs) that can be used across an organization in AWS Organizations. The company's development team has been launching Amazon EC2 instances from unapproved AMIs.
A SysOps administrator must prevent users from launching EC2 instances from unapproved AMIs.
Which solution will meet this requirement?

A. Add a tag to the approved AMI
B. Create an IAM policy that includes a tag condition that allows users to launch EC2 instances from only the tagged AMIs.
C. Create a service-linked rol
D. Attach a policy that denies the ability to launch EC2 instances from a list of unapproved AMI
E. Assign the role to users.
F. Use AWS Config with an AWS Lambda function to check for EC2 instances that are launched from unapproved AMI
G. Program the Lambda function to send an Amazon Simple Notification Service (Amazon SNS) message to the SysOps administrator to terminate those EC2 instances.
H. Use AWS Trusted Advisor to check for EC2 instances that are launched from unapproved AMI
I. Configure Trusted Advisor to invoke an AWS Lambda function to terminate those EC2 instances.

**Answer:** A

**NEW QUESTION 84**
A SysOps administrator needs to implement a solution that protects credentials for an Amazon RDS for MySQL DB instance. The solution must rotate the credentials automatically one time every week.
Which combination of steps will meet these requirements? (Select TWO.)

A. Configure an RDS proxy to store the credentials.
B. Add the credentials to AWS Secrets Manager.
C. Add the credentials to AWS Systems Manager Parameter Store.
D. Create an AWS Lambda function to rotate the credentials.
E. Create an AWS Systems Manager Automation runbook to rotate the credentials.

**Answer:** BD

**NEW QUESTION 88**
A company's AWS accounts are in an organization in AWS Organizations. The organization has all features enabled. The accounts use Amazon EC2 instances to host applications. The company manages the EC2 instances manually by using the AWS Management Console. The company applies updates to the EC2 instances by using an SSH connection to each EC2 instance.
The company needs a solution that uses AWS Systems Manager to manage all the organization's current and future EC2 instances. The latest version of Systems Manager Agent (SSM Agent) is running on the EC2 instances.
Which solution will meet these requirements?

A. Configure a home AWS Region in Systems Manager Quick Setup in the organization's management accoun
B. Deploy the Systems Manager Default Host Management Configuration Quick Setup from the management account.
C. Configure a home AWS Region in Systems Manager Quick Setup in the organization's management accoun
D. Create a Systems Manager Run Command that attaches the AmazonSSMServiceRolePolicy IAM policy to every IAM role that the EC2 instances us
E. Invoke the command in every account in the organization.
F. Create an AWS CloudFormation stack set that contains a Systems Manager parameter to define the Default Host Management Configuration rol
G. Use the organization's management account to deploy the stack set to every account in the organization.
H. Create an AWS CloudFormation stack set that contains an EC2 instance profile with the AmazonSSMManagedEC2InstanceDefaultPolicy IAM policy attache
I. Use the organization's management account to deploy the stack set to every account in the organization.

**Answer:** A

**NEW QUESTION 91**
A CloudOps engineer wants to share a copy of a production database with a migration account. The production database is hosted on an Amazon RDS DB instance and is encrypted at rest with an AWS Key Management Service (AWS KMS) key that has an alias of production-rds-key.
What must the CloudOps engineer do to meet these requirements with the LEAST administrative overhead?

A. Take a snapshot of the RDS DB instanc
B. Update the KMS key policy to allow access for the migration account root use
C. Share the snapshot with the migration account.
D. Create an RDS read replica in the migration accoun
E. Replicate the KMS key.
F. Take a snapshot and create a new KMS key in the migration account with the same alias.
G. Export the database to Amazon S3 and import it into a new RDS instance.

**Answer:** A

**NEW QUESTION 93**
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 accoun
B. Deploy the template in each of the accounts.
C. Create an AWS Lambda function to assume a role in each accoun
D. Deploy the template by using the AWS CloudFormation CreateStack API call.
E. Create an AWS Lambda function to query for a list of account
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 95**
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 96**
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 101**
A company uses AWS Organizations to manage its AWS environment. The company implements a process that uses prebuilt Amazon Machine Images (AMIs) to launch instances as a security measure. All AMIs are tagged automatically with a key named ApprovedAMI.
The company wants to ensure that employees can use only the approved prebuilt AMIs to launch new instances.
Which solution will meet this requirement?

A. Implement a tag policy for the company's organization to require users to set the ApprovedAMI tag to launch new EC2 instances.
B. Implement an IAM policy that includes an aws:ResourceTag/ApprovedAMI condition.
C. Set up an AWS Config required-tags rule to prevent users from launching any nonapproved AMIs.
D. Use Amazon GuardDuty to constantly monitorDefenseEvasion:EC2/UnusualDoHActivity findings.

**Answer:** B

**NEW QUESTION 105**
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 Regio
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 Regio
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 Regio
H. Use the backup to launch the application in the second Region in the event of a workload failure.

**Answer:** C

**NEW QUESTION 108**
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 109**
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 112**
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 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. Assign PowerUserAccess to administrators.
D. Create a Systems Manager endpoint in the private subne
E. Update the security group to allow SSH traffic from the endpoint networ
F. Assign PowerUserAccess.
G. Create an EC2 Instance Connect endpoint in the public subne
H. Update the security group to allow SSH traffic from the private networ
I. Assign PowerUserAccess.
J. Create a Systems Manager endpoint in the public subne
K. Create an IAM role with AmazonSSMManagedInstanceCore for the EC2 instanc
L. Assign AmazonEC2ReadOnlyAccess to administrators.

**Answer:** A

**NEW QUESTION 113**
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 grou
B. Reference 111122223333/sg- 1234abcd as the source.
C. Add an inbound rule to the database's security grou
D. Reference pcx-b04deed9/sg- 1234abcd as the source.
E. Add an inbound rule to the database's security grou
F. Reference sg-1234abcd as the source.
G. Add an inbound rule to the database's security grou
H. Reference 444455556666/sg- 1234abcd as the source.

**Answer:** C

**NEW QUESTION 116**
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 Managerto access the EC2 instanc
D. Associate the instance profile with the instance.
E. Recreate the EC2 instanc
F. Associate an SSH key pair with the instance.

**Answer:** C

**NEW QUESTION 121**
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 124**
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