# Amazon-Web-Services

## Exam Questions SOA-C03

AWS Certified CloudOps Engineer - Associate

**NEW QUESTION 1**
A company runs custom statistical analysis software on a cluster of Amazon EC2 instances. The software is highly sensitive to network latency between nodes, although network throughput is not a limitation.
Which solution will minimize network latency?

A. Place all the EC2 instances into a cluster placement group.
B. Configure and assign two Elastic IP addresses for each EC2 instance.
C. Configure jumbo frames on all the EC2 instances in the cluster.
D. Place all the EC2 instances into a spread placement group in the same AWS Region.

**Answer:** A

**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 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 4**
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 5**
An AWS CloudFormation template creates an Amazon RDS instance. This template is used to build up development environments as needed and then delete the stack when the environment is no longer required. The RDS-persisted data must be retained for further use, even after the CloudFormation stack is deleted.
How can this be achieved in a reliable and efficient way?

A. Write a script to continue backing up the RDS instance every five minutes.
B. Create an AWS Lambda function to take a snapshot of the RDS instance, and manually invoke the function before deleting the stack.
C. Use the Snapshot Deletion Policy in the CloudFormation template definition of the RDS instance.
D. Create a new CloudFormation template to perform backups of the RDS instance, and run this template before deleting the stack.

**Answer:** C

**NEW QUESTION 6**
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 7**
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 8**
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 9**
A company??s architecture team must receive immediate email notifications whenever new Amazon EC2 instances are launched in the company??s main AWS production account.
What should a CloudOps engineer do to meet this requirement?

A. Create a user data script that sends an email message through a smart host connecto
B. Include the architecture team's email address in the user data script as the recipien
C. Ensure that all new EC2 instances include the user data script as part of a standardized build process.
D. Create an Amazon Simple Notification Service (Amazon SNS) topic and a subscription that uses the email protoco
E. Enter the architecture team's email address as the subscribe
F. Create an Amazon EventBridge rule that reacts when EC2 instances are launche
G. Specify the SNS topic as the rule's target.
H. Create an Amazon Simple Queue Service (Amazon SQS) queue and a subscription that uses the email protoco
I. Enter the architecture team's email address as the subscribe
J. Create an Amazon EventBridge rule that reacts when EC2 instances are launche
K. Specify the SQS queue as the rule's target.
L. Create an Amazon Simple Notification Service (Amazon SNS) topi
M. Configure AWS Systems Manager to publish EC2 events to the SNS topi
N. Create an AWS Lambda function to poll the SNS topi
O. Configure the Lambda function to send any messages to the architecture team's email address.

**Answer:** B

**NEW QUESTION 10**
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 12**
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 15**
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 19**
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 22**
A company's developers manually install software modules on Amazon EC2 instances to deploy new versions of a service. A security audit finds that instances contain inconsistent and unapproved modules.
A CloudOps engineer must create a new instance image that contains only approved software.
Which solution will meet these requirements?

A. Use Amazon Detective to continuously find and uninstall unauthorized modules from the instances.
B. Use Amazon GuardDuty to create and deploy an Amazon Machine Image (AMI) that includes only the approved modules.
C. Use AWS Systems Manager Run Command to install the approved modules on all running instances during an in-place update.

D. Use EC2 Image Builder to create and test an Amazon Machine Image (AMI) that includes only the approved module
E. Update the deployment workflow to use the new AMI.

**Answer:** D

**NEW QUESTION 26**
A CloudOps engineer is troubleshooting an AWS CloudFormation stack creation that failed. Before the CloudOps engineer can identify the problem, the stack and its resources are deleted. For future deployments, the CloudOps engineer must preserve any resources that CloudFormation successfully created.
What should the CloudOps engineer do to meet this requirement?

A. Set the value of the DisableRollback parameter to False during stack creation.
B. Set the value of the OnFailure parameter to DO_NOTHING during stack creation.
C. Specify a rollback configuration that has a rollback trigger of DO_NOTHING during stack creation.
D. Set the value of the OnFailure parameter to ROLLBACK during stack creation.

**Answer:** B

**NEW QUESTION 31**
A CloudOps engineer is using AWS Compute Optimizer to generate recommendations for a fleet of Amazon EC2 instances. Some of the instances use newly released instance types, while other instances use older instance types.
After the analysis is complete, the CloudOps engineer notices that some of the EC2 instances are missing from the Compute Optimizer dashboard.
What is the likely cause of this issue?

A. The missing instances have insufficient historical Amazon CloudWatch metric data for analysis.
B. Compute Optimizer does not support the instance types of the missing instances.
C. Compute Optimizer already considers the missing instances to be optimized.
D. The missing instances are running a Windows operating system.

**Answer:** B

**NEW QUESTION 34**
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 36**
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 39**
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 44**
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 45**
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 bucke
B. Create an export task from appropriate log groups in CloudWatc
C. Export the logs to the S3 bucke
D. Configure an Amazon Macie scan to discover personal data in the S3 bucke
E. Invoke an AWS Lambda function to move identified personal data to a second S3 bucke
F. Update the S3 bucket policies to grant only the security team access to both buckets.
G. Create a customer managed AWS KMS ke
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 grou
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 domai
N. Create an AWS Glue workflow that runs a Detect PII transform job and streams the output to the OpenSearch domai
O. Configure the CloudWatch log group to stream the logs to AWS Glu
P. Modify the OpenSearch domain access policy to allow only the security team to access the domain.

**Answer:** C

**NEW QUESTION 50**
A global gaming company is preparing to launch a new game on AWS. The game runs in multiple AWS Regions on a fleet of Amazon EC2 instances. The instances are in an Auto Scaling group behind an Application Load Balancer (ALB) in each Region. The company plans to use Amazon Route 53 for DNS services. The DNS configuration must direct users to the Region that is closest to them and must provide automated failover.
Which combination of steps should a CloudOps engineer take to configure Route 53 to meet these requirements? (Select TWO.)

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

**Answer:** AD

**NEW QUESTION 55**
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. The solution also must 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 hou
C. Restore the backup when necessary.
D. Create a read replica in a second Availability Zon
E. Enable Multi-AZ for the ElastiCache (Redis OSS) replication group.
F. Enable automatic backup
G. Restore the backups when necessary.

**Answer:** C

**NEW QUESTION 60**

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 63**
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 65**
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 70**
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 72**
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 76**
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 78**
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 83**
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 85**
A multinational company uses an organization in AWS Organizations to manage over 200 member accounts across multiple AWS Regions. The company must ensure that all AWS resources meet specific security requirements.
The company must not deploy any EC2 instances in the ap-southeast-2 Region. The company must completely block root user actions in all member accounts. The company must prevent any user from deleting AWS CloudTrail logs, including administrators. The company requires a centrally managed solution that the company can automatically apply to all existing and future accounts. Which solution will meet these requirements?

A. Create AWS Config rules with remediation actions in each account to detect policy violation
B. Implement IAM permissions boundaries for the account root users.
C. Enable AWS Security Hub across the organizatio
D. Create custom security standards to enforce the security requirement
E. Use AWS CloudFormation StackSets to deploy the standards to all the accounts in the organizatio
F. Set up Security Hub automated remediation actions.
G. Use AWS Control Tower for account governanc
H. Configure Region deny control
I. UseService Control Policies (SCPs) to restrict root user access.
J. Configure AWS Firewall Manager with security policies to meet the security requirement
K. Use an AWS Config aggregator with organization-wide conformance packs to detect security policy violations.

**Answer:** C

**NEW QUESTION 88**
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 91**
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 94**
A company has an on-premises DNS solution and wants to resolve DNS records in an Amazon Route 53 private hosted zone for example.com. The company has set up an AWS Direct Connect connection for network connectivity between the on-premises network and the VPC. A CloudOps engineer must ensure that an on-premises server can query records in the example.com domain.

What should the CloudOps engineer do to meet these requirements?

A. Create a Route 53 Resolver inbound endpoin
B. Attach a security group to the endpoint to allow inbound traffic on TCP/UDP port 53 from the on-premises DNS servers.
C. Create a Route 53 Resolver inbound endpoin
D. Attach a security group to the endpoint to allow outbound traffic on TCP/UDP port 53 to the on-premises DNS servers.
E. Create a Route 53 Resolver outbound endpoin
F. Attach a security group to the endpoint to allow inbound traffic on TCP/UDP port 53 from the on-premises DNS servers.
G. Create a Route 53 Resolver outbound endpoin
H. Attach a security group to the endpoint to allow outbound traffic on TCP/UDP port 53 to the on-premises DNS servers.

**Answer:** A

**NEW QUESTION 98**
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 103**
A CloudOps engineer is creating a simple, public-facing website running on Amazon EC2. The CloudOps engineer created the EC2 instance in an existing public subnet and assigned an Elastic IP address. The CloudOps engineer created a new security group that allows incoming HTTP traffic from 0.0.0.0/0. The CloudOps engineer also created a new network ACL and applied it to the subnet to allow incoming HTTP traffic from 0.0.0.0/0. However, the website cannot be reached from the internet.
What is the cause of this issue?

A. The CloudOps engineer did not create an outbound rule that allows ephemeral port return traffic in the new network ACL.
B. The CloudOps engineer did not create an outbound rule in the security group that allows HTTP traffic from port 80.
C. The Elastic IP address assigned to the EC2 instance has changed.
D. There is an additional network ACL associated with the subnet that denies inbound HTTP traffic.

**Answer:** A

**NEW QUESTION 106**
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 109**
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 113**
A company runs an application on Amazon EC2 that connects to an Amazon Aurora PostgreSQL database. A developer accidentally drops a table from the

database, causing application errors. Two hours later, a CloudOps engineer needs to recover the data and make the application functional again.
Which solution will meet this requirement?

A. Use the Aurora Backtrack feature to rewind the database to a specified time, 2 hours in the past.
B. Perform a point-in-time recovery on the existing database to restore the database to a specified point in time, 2 hours in the past.
C. Perform a point-in-time recovery and create a new database to restore the database to a specified point in time, 2 hours in the pas
D. Reconfigure the application to use a new database endpoint.
E. Create a new Aurora cluste
F. Choose the Restore data from S3 bucket optio
G. Choose log files up to the failure time 2 hours in the past.

**Answer:** C

**NEW QUESTION 115**
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 116**
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 121**
A CloudOps engineer needs to track the costs of data transfer between AWS Regions. The CloudOps engineer must implement a solution to send alerts to an email distribution list when transfer costs reach 75% of a specific threshold.
What should the CloudOps engineer do to meet these requirements?

A. Create an AWS Cost and Usage Repor
B. Analyze the results in Amazon Athen
C. Configure an alarm to publish a message to an Amazon Simple Notification Service (Amazon SNS) topic when costs reach 75% of the threshol
D. Subscribe the email distribution list to the topic.
E. Create an Amazon CloudWatch billing alarm to detect when costs reach 75% of the threshol
F. Configure the alarm to publish a message to an Amazon Simple Notification Service (Amazon SNS) topi
G. Subscribe the email distribution list to the topic.
H. Use AWS Budgets to create a cost budget for data transfer cost
I. Set an alert at 75% of the budgeted amoun
J. Configure the budget to send a notification to the email distribution list when costs reach 75% of the threshold.
K. Set up a VPC flow lo
L. Set up a subscription filter to an AWS Lambda function to analyze data transfe
M. Configure the Lambda function to send a notification to the email distribution list when costs reach 75% of the threshold.

**Answer:** C

**NEW QUESTION 125**
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 127**
A company runs applications on Amazon EC2 instances. Many of the instances are not patched. The company has a tagging policy. All the instances are tagged with details about the owners, application, and environment. AWS Systems Manager Agent (SSM Agent) is installed on all the instances.
A SysOps administrator must implement a solution to automatically patch all existing and future instances that have "Prod" in the environment tag. The SysOps administrator plans to create a patch policy in Systems Manager Patch Manager.
Which solution will meet the patching requirements with the LEAST operational overhead?

A. Define targets of the patch policy by specifying node tags that match the company's tagging strategy.
B. Configure an AWS Lambda function to scan for new instances and to add the instances to the targets of the patch policy.
C. Create resource group
D. Add the existing instances to the resource group
E. Configure an AWS Lambda function to scan for new instances and to add the instances to the resource groups at regular interval
F. Attach the resource groups to the patch policy.
G. Create resource group
H. Add the existing instances to the resource group
I. Create an Amazon EventBridge rule that uses an appropriately defined filter to add new instances to the resource group
J. Attach the resource groups to the patch policy.

**Answer:** A

**NEW QUESTION 128**
A SysOps administrator needs to encrypt an existing Amazon Elastic File System (Amazon EFS) file system by using an existing AWS KMS customer managed key.
Which solution will meet these requirements?

A. Use Amazon EFS replication to create a new file syste
B. Copy the data and metadata from the existing file system to the new file syste
C. Specify the KMS customer managed key in the replication configuratio
D. When the replication process finishes, fail over to the new encrypted file system.
E. Directly modify the file system to use encryptio
F. Specify the KMS customer managed key.
G. Use Amazon EFS replication to create a new file syste
H. Copy the data and metadata from the existing file system to the new file syste
I. Generate a new TLS certificat
J. Specify the TLS certificate in the replication configuratio
K. When the replication process finishes, fail over to the new encrypted file system.
L. Create a new EFS file system that is encrypted with the KMS customer managed ke
M. Create an Amazon EC2 instance to copy the file
N. Mount the encrypted file system and unencrypted file system on the instanc
O. Copy all data from the unencrypted file system to the encrypted file syste
P. Unmount the unencrypted file system and remove the temporary instance.

**Answer:** A

**NEW QUESTION 129**
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 130**
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 135**
A company??s ecommerce application is running on Amazon EC2 instances that are behind an Application Load Balancer (ALB). The instances are in an Auto Scaling group. Customers report that the website is occasionally down. When the website is down, it returns an HTTP 500 (server error) status code to customer browsers.
The Auto Scaling group??s health check is configured for EC2 status checks, and the instances appear healthy.
Which solution will resolve the problem?

A. Replace the ALB with a Network Load Balancer.
B. Add Elastic Load Balancing (ELB) health checks to the Auto Scaling group.
C. Update the target group configuration on the AL

D. Enable session affinity (sticky sessions).
E. Install the Amazon CloudWatch agent on all instance
F. Configure the agent to reboot the instances.

**Answer:** B

**NEW QUESTION 136**
A company??s Amazon EC2 instance with high CPU utilization is a t3.large instance running a test web app. The company determines the app would run better on a compute-optimized large instance.
What should the CloudOps engineer do?

A. Migrate the EC2 instance to a compute optimized instance by using AWS VM Import/Export.
B. Enable hibernation on the EC2 instanc
C. Change the instance type to a compute optimized instanc
D. Disable hibernation on the EC2 instance.
E. Stop the EC2 instanc
F. Change the instance type to a compute optimized instanc
G. Start the EC2 instance.
H. Change the instance type to a compute optimized instance while the EC2 instance is running.

**Answer:** C

**NEW QUESTION 139**
A company hosts a static website on Amazon S3. An Amazon CloudFront distribution presents this site to global users. The company uses the Managed-CachingDisabled CloudFront cache policy. The company's developers confirm that they frequently update a file in Amazon S3 with new information.
Users report that the website presents correct information when the website first loads the file. However, the users' browsers do not retrieve the updated file after a refresh.
What should a SysOps administrator recommend to fix this issue?

A. Add a Cache-Control header field with max-age=0 to the S3 object.
B. Change the CloudFront cache policy to Managed-CachingOptimized.
C. Disable bucket versioning in the S3 bucket configuration.
D. Enable content compression in the CloudFront configuration.

**Answer:** A

**NEW QUESTION 140**
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 142**
A company hosts an FTP server on EC2 instances. AWS Security Hub sends findings to Amazon EventBridge when the FTP port becomes publicly exposed in attached security groups.
A CloudOps engineer needs an automated, event-driven remediation solution to remove public access from security groups.
Which solution will meet these requirements?

A. Configure the existing EventBridge event to stop the EC2 instances that have the exposed port.
B. Create a cron job for the FTP server to invoke an AWS Lambda functio
C. Configure the Lambda function to modify the security group of the identified EC2 instances and to remove the instances that allow public access.
D. Create a cron job for the FTP server that invokes an AWS Lambda functio
E. Configure the Lambda function to modify the server to use SFTP instead of FTP.
F. Configure the existing EventBridge event to invoke an AWS Lambda functio
G. Configure the function to remove the security group rule that allows public access.

**Answer:** D

**NEW QUESTION 144**
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 145**
A company has created a new video-on-demand (VOD) application. The application runs on a fleet of Amazon EC2 instances behind an Application Load Balancer (ALB). The company configured an Amazon CloudFront distribution and set the ALB as the origin. Because of increasing application demand, the company wants to move all video files to a central Amazon S3 bucket.
A SysOps administrator needs to ensure that video files can be cached at edge locations after the company migrates the files to Amazon S3.
Which solution will meet this requirement?

A. Configure CloudFront to send the X-Forwarded-For header to the origin and to redirect video requests to Amazon S3 instead of the ALB.
B. Configure a new CloudFront cache behavior to route to Amazon S3 as a new origin, based on matching a URL path pattern.
C. Configure URL signing in the CloudFront distribution by using a custom polic
D. Ensure that video files are accessed through signed URLs only.
E. Configure a CloudFront origin grou
F. Specify the required HTTP status codes to direct connection attempts to a secondary origin.

**Answer:** B

**NEW QUESTION 147**
A company has a microservice that runs on Amazon EC2 instances 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 Route 53 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 151**
A company that uses AWS Organizations recently implemented AWS Control Tower. The company now needs to centralize identity management. A CloudOps engineer must federate AWS IAM Identity Center with an external SAML 2.0 identity provider (IdP) to centrally manage access to all AWS accounts and cloud applications.
Which prerequisites must the CloudOps engineer have so that the CloudOps engineer can connect to the external IdP? (Select TWO.)

A. A copy of the IAM Identity Center SAML metadata
B. The IdP metadata, including the public X.509 certificate
C. The IP address of the IdP
D. Root access to the management account
E. Administrative permissions to the member accounts of the organization

**Answer:** AB

**NEW QUESTION 156**
A CloudOps engineer wants to provide access to AWS services by attaching an IAM policy to multiple IAM users. The CloudOps engineer also wants to be able to change the policy and create new versions.
Which combination of actions will meet these requirements? (Select TWO.)

A. Add the users to an IAM service-linked rol
B. Attach the policy to the role.
C. Add the users to an IAM user grou
D. Attach the policy to the group.
E. Create an AWS managed policy.
F. Create a customer managed policy.
G. Create an inline policy.

**Answer:** BD

**NEW QUESTION 159**
A SysOps administrator needs to give an existing AWS Lambda function access to an existing Amazon S3 bucket. Traffic between the Lambda function and the S3 bucket must not use public IP addresses. The Lambda function has been configured to run in a VPC.
Which solution will meet these requirements?

A. Configure VPC sharing between the Lambda VPC and the S3 bucket.
B. Attach a transit gateway to the Lambda VPC to allow the Lambda function to connect to the S3 bucket.
C. Create a NAT gatewa
D. Associate the NAT gateway with the subnet where the Lambda function is configured to run.
E. Create an S3 interface endpoin
F. Change the Lambda function to use the new S3 DNS name.

**Answer:** D

**NEW QUESTION 164**
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 169**
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 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 174**
A user working in the Amazon EC2 console increased the size of an Amazon Elastic Block Store (Amazon EBS) volume attached to an Amazon EC2 Windows instance. The change is not reflected in the file system.
What should a CloudOps engineer do to resolve this issue?

A. Extend the file system with operating system-level tools to use the new storage capacity.
B. Reattach the EBS volume to the EC2 instance.
C. Reboot the EC2 instance that is attached to the EBS volume.
D. Take a snapshot of the EBS volum
E. Replace the original volume with a volume that is created from the snapshot.

**Answer:** A

**NEW QUESTION 179**
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 metri
B. Set the alarm threshold to a value that is close to the DynamoDB table's provisioned capacit
C. Configure the alarm to publish notifications to the SNS topic.
D. Turn on auto scaling on the DynamoDB tabl
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 tabl
G. Create an Amazon CloudWatch metric filter to pattern match the THROTTLING_EXCEPTION status code from DynamoD
H. Create a CloudWatch alarm for the metri
I. Select the SNS topic fornotifications.
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 DynamoD
L. Create a CloudWatch alarm for the metri
M. Select the SNS topic for notifications.

**Answer:** A

**NEW QUESTION 180**
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 181**
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 183**
A CloudOps engineer is preparing to deploy an application to Amazon EC2 instances that are in an Auto Scaling group. The application requires dependencies to be installed. Application updates are issued weekly.
The CloudOps engineer needs to implement a solution to incorporate the application updates on a regular basis. The solution also must conduct a vulnerability scan during Amazon Machine Image (AMI) creation.
What is the MOST operationally efficient solution that meets these requirements?

A. Create a script that uses Packer and schedule a cron job.
B. Install the application and dependencies on an EC2 instance and create an AMI.
C. Use EC2 Image Builder with a custom recipe to install the application and dependencies.
D. Invoke the EC2 CreateImage API operation by using an EventBridge scheduled rule.

**Answer:** C

**NEW QUESTION 185**
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 190**
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