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
An ecommerce company uses Amazon ElastiCache (Redis OSS) for caching product queries. The CloudOps engineer observes a large number of cache evictions in Amazon CloudWatch metrics and needs to reduce evictions while retaining popular data in cache.
Which solution meets these requirements with the least operational overhead?

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

Answer: D

NEW QUESTION 5
A company uses an AWS Lambda function to process user uploads to an Amazon S3 bucket. The Lambda function runs in response to Amazon S3 PutObject events.
A SysOps administrator needs to set up monitoring for the Lambda function. The SysOps administrator wants to receive a notification through an Amazon Simple Notification Service (Amazon SNS) topic if the function takes more than 10 seconds to process an event.
Which solution will meet this requirement?

A. Collect Amazon CloudWatch logs for the Lambda functio
B. Create a metric filter to extract the PostRuntimeExtensionsDuration metric from the log
C. Create a CloudWatch alarm to publish a notification to the SNS topic when the function runtime exceeds 10 seconds.

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

Answer: B

NEW QUESTION 6
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 7
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 8
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 9
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 10
A company uses AWS Organizations to manage a set of AWS accounts. The company has set up organizational units (OUs) in the organization. An application OU supports various applications.
A CloudOps engineer must prevent users from launching Amazon EC2 instances that do not have a CostCenter-Project tag into any account in the application OU. The restriction must apply only to accounts in the application OU.
Which solution will meet these requirements?

A. Create an IAM group that has a policy that allows the ec2:RunInstances action when the CostCenter-Project tag is presen
B. Place all IAM users who need access to the application accounts in the IAM group.
C. Create a service control policy (SCP) that denies the ec2:RunInstances action when the CostCenter-Project tag is missin
D. Attach the SCP to the application OU.
E. Create an IAM role that has a policy that allows the ec2:RunInstances action when the CostCenter-Project tag is presen
F. Attach the IAM role to the IAM users that are in the application OU accounts.
G. Create a service control policy (SCP) that denies the ec2:RunInstances action when the CostCenter-Project tag is missin

H. Attach the SCP to the root OU.

Answer: B

NEW QUESTION 10
A company applies user-defined tags to AWS resources. Twenty days after applying the tags, the company notices that the tags cannot be used to filter views in the AWS Cost Explorer console.
What is the reason for this issue?

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

Answer: B

NEW QUESTION 15
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 20
A company runs a business application on more than 300 Linux-based instances. Each instance has the AWS Systems Manager Agent (SSM Agent) installed. The company expects the number of instances to grow in the future. All business application instances have the same user-defined tag.
A CloudOps engineer wants to run a command on all the business application instances to download and install a package from a private repository. To avoid overwhelming the repository, the CloudOps engineer wants to ensure that no more than 30 downloads occur at one time.
Which solution will meet this requirement in the MOST operationally efficient way?

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

Answer: C

NEW QUESTION 25
A company needs to log and audit any principal that publishes messages to Amazon Simple Notification Service (Amazon SNS) topics and Amazon Simple Queue Service (Amazon SQS) queues. The company wants to ensure that all communication with these services uses VPC endpoints.
Which combination of solutions will meet these requirements? (Select TWO.)

A. Use Amazon CloudWatch Logs to collect message content from Amazon SNS and Amazon SQ
B. Deliver logs to an Amazon S3 bucket for querying.
C. Set up AWS CloudTrai
D. Enable tracking of data events for Amazon SNS and Amazon SQ
E. Deliver logs to an Amazon S3 bucket for querying.
F. Create Amazon EventBridge rules to gather Amazon SNS and Amazon SQS event
G. Store the events in an Amazon S3 bucket.
H. Configure VPC endpoints for Amazon SNS and Amazon SQ
I. Inspect the vpcEndpointId field in the AWS CloudTrail logs.
J. Configure VPC endpoints for Amazon SNS and Amazon SQ
K. Inspect the vpcEndpoint field in the Amazon CloudWatch logs.

Answer: BD

NEW QUESTION 30
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 34
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 35
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 40
A company's CloudOps engineer is troubleshooting communication between the components of an application. The company configured VPC flow logs to be published to Amazon CloudWatch Logs. However, there are no logs in CloudWatch Logs.
What could be blocking the VPC flow logs from being published to CloudWatch Logs?

A. The IAM policy attached to the IAM role for the flow log is missing the logs:CreateLogGroup permission.
B. The IAM policy attached to the IAM role for the flow log is missing the logs:CreateExportTask permission.
C. The VPC is configured for IPv6 addresses.
D. The VPC is peered with another VPC in the AWS account.

Answer: A

NEW QUESTION 45
A CloudOps engineer needs to control access to groups of Amazon EC2 instances using AWS Systems Manager Session Manager. Specific tags on the EC2 instances have already been added.
Which additional actions should the CloudOps engineer take to control access? (Select TWO.)

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

Answer: AE

NEW QUESTION 48
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 52

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 53
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 55
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 57
A CloudOps engineer is designing a solution for an Amazon RDS for PostgreSQL DB instance. Database credentials must be stored and rotated monthly. The application generates write-intensive traffic with variable and sudden increases in client connections.
Which solution should the CloudOps engineer choose to meet these requirements?

A. Configure AWS Key Management Service (AWS KMS) to automatically rotate the key
B. Use RDS Proxy.
C. Configure AWS KMS to rotate key
D. Use RDS read replicas.
E. Configure AWS Secrets Manager to rotate credential
F. Use RDS Proxy.
G. Configure AWS Secrets Manager to rotate credential
H. Use RDS read replicas.

Answer: C

NEW QUESTION 61
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 66
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 69
A company runs an application on Amazon EC2 instances behind an Elastic Load Balancer (ELB) in an Auto Scaling group. The application performs well except during a 2-hour period of daily peak traffic, when performance slows.
A CloudOps engineer must resolve this issue with minimal operational effort. What should the engineer do?

A. Adjust the minimum capacity of the Auto Scaling group to the size required to meet the increased demand during the 2-hour period.
B. Adjust the launch template that is associated with the Auto Scaling group to be more sensitive to increases in user traffic.
C. Create a scheduled scaling action to scale out the number of EC2 instances shortly before the increase in user traffic occurs.
D. Manually add a few more EC2 instances to the Auto Scaling group to support the increase in user traffi
E. Enable instance scale-in protection on the Auto Scaling group.

Answer: C

NEW QUESTION 73
A company deploys an application on Amazon EC2 instances in an Auto Scaling group behind an Application Load Balancer (ALB). The company wants to protect the application from SQL injection attacks.
Which solution will meet this requirement?

A. Deploy AWS Shield Advanced in front of the AL
B. Enable SQL injection filtering.
C. Deploy AWS Shield Standard in front of the AL
D. Enable SQL injection filtering.
E. Deploy a vulnerability scanner on each EC2 instanc
F. Continuously scan the application code.
G. Deploy AWS WAF in front of the AL
H. Subscribe to an AWS Managed Rule for SQL injection filtering.

Answer: D

NEW QUESTION 74
A CloudOps engineer must ensure that all of a company's current and future Amazon S3 buckets have logging enabled. If an S3 bucket does not have logging enabled, an automated process must enable logging for the S3 bucket.
Which solution will meet these requirements?

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

Answer: D

NEW QUESTION 78
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 79
A company hosts a production MySQL database on an Amazon Aurora single-node DB cluster. The database is queried heavily for reporting purposes. The DB cluster is experiencing periods of performance degradation because of high CPU utilization and maximum connections errors. A CloudOps engineer needs to improve the stability of the database.
Which solution will meet these requirements?

A. Create an Aurora Replica nod
B. Create an Auto Scaling policy to scale replicas based on CPU utilizatio
C. Ensure that all reporting requests use the read-only connection string.
D. Create a second Aurora MySQL single-node DB cluster in a second Availability Zon
E. Ensure that all reporting requests use the connection string for this additional node.
F. Create an AWS Lambda function that caches reporting request
G. Ensure that all reporting requests call the Lambda function.
H. Create a multi-node Amazon ElastiCache cluste
I. Ensure that all reporting requests use the ElastiCache cluste
J. Use the database if the data is not in the cache.

Answer: A

NEW QUESTION 84
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 88
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 90
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 95
A company is migrating a legacy application to AWS. The application runs on EC2 instances across multiple Availability Zones behind an Application Load Balancer (ALB). The target group routing algorithm is set to weighted random, and the application requires session affinity (sticky sessions).
After deployment, users report random application errors that were not present before migration, even though target health checks are passing.
Which solution will meet this requirement?

A. Set the routing algorithm of the target group to least outstanding requests.
B. Turn on anomaly mitigation for the target group.
C. Turn off the cross-zone load balancing attribute of the target group.
D. Increase the deregistration delay attribute of the target group.

Answer: A

NEW QUESTION 99
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 101
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 company asks a SysOps administrator to provision an additional environment for an application in four additional AWS Regions. The application is running on more than 100 Amazon EC2 instances in the us-east-1 Region, using fully configured Amazon Machine Images (AMIs). The company has an AWS CloudFormation template to deploy resources in us-east-1.
What should the SysOps administrator do to provision the application in the MOST operationally efficient manner?

A. Copy the AMI to each Region by using the aws ec2 copy-image comman
B. Update the CloudFormation template to include mappings for the copied AMIs.
C. Create a snapshot of the running instanc
D. Copy the snapshot to the other Region
E. Create an AMI from the snapshot
F. Update the CloudFormation template for each Region to use the new AMI.
G. Run the existing CloudFormation template in each additional Region based on the success of the template that is used currently in us-east-1.
H. Update the CloudFormation template to include the additional Regions in the Auto Scaling grou
I. Update the existing stack in us-east-1.

Answer: A

NEW QUESTION 104
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 108
A CloudOps engineer must manage the security of an AWS account. Recently, an IAM user??s access key was mistakenly uploaded to a public code repository. The engineer must identify everything that was changed using this compromised key.
How should the CloudOps engineer meet these requirements?

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

Answer: C

NEW QUESTION 110
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 112
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 117
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 119
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 120
A company runs a high performance computing (HPC) data-processing application on Amazon EC2 instances in one Availability Zone within a development environment. The application uses a dataset that the company stores on an Amazon S3 general purpose
bucket in the same AWS Region as the EC2 instances.
A SysOps administrator must improve the application's performance for retrieval of objects from Amazon S3.
Which solution will meet these requirements?

A. Enable S3 Transfer Acceleration for the S3 bucke
B. Create an S3 access point for the bucke
C. Update the application to use the access point.
D. Create an S3 Lifecycle configuration for the S3 bucket to move all objects to the S3 Express One Zone storage clas
E. Update the application to use an S3 Regional endpoint.
F. Create a second general purpose S3 bucket in the same Regio
G. Copy the objects from the original bucket to the new bucke
H. Use the S3 Express One Zone storage class to store the objects in the new bucke
I. Update the application to use an S3 Regional endpoint.
J. Create an S3 directory bucket in the same Availability Zon
K. Import objects from the original bucket to the new bucke
L. Use the S3 Express One Zone storage class to store the objects in the new bucke

M. Update the application to use an S3 Zonal endpoint.

Answer: D

NEW QUESTION 121
A CloudOps engineer has an AWS CloudFormation template of the company??s existing infrastructure in us-west-2. The CloudOps engineer attempts to use the template to launch a new stack in eu-west-1, but the stack partially deploys, receives an error message, and then rolls back.
Why would this template fail to deploy? (Select TWO.)

A. The template referenced an IAM user that is not available in eu-west-1.
B. The template referenced an Amazon Machine Image (AMI) that is not available in eu- west-1.
C. The template did not have the proper level of permissions to deploy the resources.
D. The template requested services that do not exist in eu-west-1.
E. CloudFormation templates can be used only to update existing services.

Answer: BD

NEW QUESTION 123
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 127
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 132
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 135
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 141
A company requires the rotation of administrative credentials for production workloads on a regular basis. A CloudOps engineer must implement this policy for an Amazon RDS DB instance's master user password.
Which solution will meet this requirement with the LEAST operational effort?

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

Answer: D

NEW QUESTION 144
A company needs to upload gigabytes of files daily to Amazon S3 and requires higher throughput and faster upload speeds.
Which action should a CloudOps engineer take?

A. Create an Amazon CloudFront distribution with the GET HTTP method allowed and the S3 bucket as an origin.
B. Create an Amazon ElastiCache cluster and enable caching for the S3 bucket.
C. Set up AWS Global Accelerator and configure it with the S3 bucket.
D. Enable S3 Transfer Acceleration and use the acceleration endpoint when uploading files.

Answer: D

NEW QUESTION 148
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 152
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 154
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 159
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 161
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 166
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 169
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 172
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 174
A company hosts a critical legacy application on two Amazon EC2 instances that are in one Availability Zone. The instances run behind an Application Load Balancer (ALB). The company uses Amazon CloudWatch alarms to send Amazon Simple Notification Service (Amazon SNS) notifications when the ALB health checks detect an unhealthy instance. After a notification, the company's engineers manually restart the unhealthy instance. A CloudOps engineer must configure the application to be highly available and more resilient to failures. Which solution will meet these requirements?

A. Create an Amazon Machine Image (AMI) from a healthy instanc
B. Launch additional instances from the AMI in the same Availability Zon
C. Add the new instances to the ALB target group.
D. Increase the size of each instanc
E. Create an Amazon EventBridge rul
F. Configure the EventBridge rule to restart the instances if they enter a failed state.
G. Create an Amazon Machine Image (AMI) from a healthy instanc
H. Launch an additional instance from the AMI in the same Availability Zon
I. Add the new instance to the ALB target grou
J. Create an AWS Lambda function that runs when an instance is unhealth
K. Configure the Lambda function to stop and restart the unhealthy instance.
L. Create an Amazon Machine Image (AMI) from a healthy instanc
M. Create a launch template that uses the AM
N. Create an Amazon EC2 Auto Scaling group that is deployed across multiple Availability Zone
O. Configure the Auto Scaling group to add instances to theALB target group.

Answer: D

NEW QUESTION 178
A CloudOps engineer creates a new VPC that contains a private subnet, a security group that allows all outbound traffic, and an endpoint for Amazon EC2 Instance Connect in a private subnet. The CloudOps engineer associates the security group with EC2 Instance Connect.
The CloudOps engineer launches an EC2 instance from an Amazon Linux Amazon Machine Image (AMI) in the private subnet. The CloudOps engineer launches the EC2 instance without an SSH key pair.
The CloudOps engineer tries to connect to the instance by using the EC2 Instance Connect endpoint. However, the connection fails.
How can the CloudOps engineer connect to the instance?

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

Answer: B

NEW QUESTION 179
A CloudOps engineer is troubleshooting an implementation of Amazon CloudWatch Synthetics. The CloudWatch Synthetics results must be sent to an Amazon S3 bucket.
The CloudOps engineer has copied the configuration of an existing canary that runs on a VPC that has an internet gateway attached. However, the CloudOps engineer cannot get the canary to successfully start on a private VPC that has no internet access.
What should the CloudOps engineer do to successfully run the canary on the private VPC?

A. Ensure that the DNS resolution option and the DNS hostnames option are turned on in the VP
B. Add the synthetics:GetCanaryRuns permission to the VP
C. On the S3 bucket, add the IgnorePublicAcls permission to the CloudWatch Synthetics role.
D. Ensure that the DNS resolution option and the DNS hostnames option are turned off in the VP
E. Create a gateway VPC endpoint for Amazon S3. Add the permissions to allow CloudWatch Synthetics to use the S3 endpoint.
F. Ensure that the DNS resolution option and the DNS hostnames option are turned off in the VP
G. Add a security group to the canary to allow outbound traffic on the DNS por
H. Add the permissions to allow CloudWatch Synthetics to write to the S3 bucket.
I. Ensure that the DNS resolution option and the DNS hostnames option are turned on in the VP
J. Create an interface VPC endpoint for CloudWatc
K. Create a gateway VPC endpoint for Amazon S3. Add the permissions to allow CloudWatch Synthetics to use both endpoints.

Answer: D

NEW QUESTION 182
Application A runs on Amazon EC2 instances behind a Network Load Balancer (NLB). The EC2 instances are in an Auto Scaling group and are in the same subnet that is associated with the NLB. Other applications from an on-premises environment cannot communicate with Application A on port 8080.
To troubleshoot the issue, a CloudOps engineer analyzes the flow logs. The flow logs include the following records:

? ACCEPT from 192.168.0.13:59003 172.31.16.139:8080
? REJECT from 172.31.16.139:8080 192.168.0.13:59003
What is the reason for the rejected traffic?

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

Answer: D

NEW QUESTION 185
A CloudOps engineer is examining the following AWS CloudFormation template: AWSTemplateFormatVersion: '2010-09-09'
Description: 'Creates an EC2 Instance' Resources:
EC2Instance:
Type: AWS::EC2::Instance Properties:
ImageId: ami-79fd7eee InstanceType: m5n.large SubnetId: subnet-1abc3d3fg
PrivateDnsName: ip-10-24-34-0.ec2.internal Tags:
- Key: Name
Value: !Sub "${AWS::StackName} Instance" Why will the stack creation fail?

A. The Outputs section of the CloudFormation template was omitted.
B. The Parameters section of the CloudFormation template was omitted.
C. The PrivateDnsName cannot be set from a CloudFormation template.
D. The VPC was not specified in the CloudFormation template.

Answer: C

NEW QUESTION 189
A company has a workload that is sending log data to Amazon CloudWatch Logs. One of the fields includes a measure of application latency. A CloudOps engineer needs to monitor the p90 statistic of this field over time.
What should the CloudOps engineer do to meet this requirement?

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

Answer: B

NEW QUESTION 194
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 195
A CloudOps engineer needs to set up alerting and remediation for a web application. The application consists of Amazon EC2 instances that have AWS Systems Manager Agent (SSM Agent) installed. Each EC2 instance runs a custom web server. The EC2 instances run behind a load balancer and write logs locally.
The CloudOps engineer must implement a solution that restarts the web server software automatically if specific web errors are detected in the logs.
Which combination of steps will meet these requirements? (Select THREE.)

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

Answer: ACE

NEW QUESTION 198
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 203
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 204
A company is storing backups in an Amazon S3 bucket. The backups must not be deleted for at least 3 months after the backups are created.
What should a CloudOps engineer do to meet this requirement?

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

Answer: B

NEW QUESTION 209
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 211
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 213
A company has two AWS accounts connected by a transit gateway. Each account has one VPC in the same AWS Region. The company wants to simplify inbound and outbound rules in security groups by referencing security group IDs instead of IP CIDR blocks.

Which solution will meet this requirement?

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

Answer: C

NEW QUESTION 217
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