



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 instance
- 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 bucket
- F. Apply a bucket policy to the bucket to allow connections from the CloudFront distribution
- 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 bucket
- 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 subnet
- 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 is running an application on premises and wants to use AWS for data backup. All of the data must be available locally. The backup application can write only to block-based storage that is compatible with the Portable Operating System Interface (POSIX). Which backup solution will meet these requirements?

- A. Configure the backup software to use Amazon S3 as the target for the data backups.
- B. Configure the backup software to use Amazon S3 Glacier Flexible Retrieval as the target for the data backups.
- C. Use AWS Storage Gateway, and configure it to use gateway-cached volumes.
- D. Use AWS Storage Gateway, and configure it to use gateway-stored volumes.

Answer: D

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 has an application running on EC2 that stores data in an Amazon RDS for MySQL Single-AZ DB instance. The application requires both read and write operations, and the company needs failover capability with minimal downtime. Which solution will meet these requirements?

- A. Modify the DB instance to be a Multi-AZ DB instance deployment.
- B. Add a read replica in the same Availability Zone where the DB instance is deployed.
- C. Add the DB instance to an Auto Scaling group that has a minimum capacity of 2 and a desired capacity of 2.
- D. Use RDS Proxy to configure a proxy in front of the DB instance.

Answer: A

NEW QUESTION 6

A company's reporting job that previously ran in 15 minutes is now taking 1 hour. The application runs on Amazon EC2 and extracts data from an Amazon RDS for MySQL DB instance. CloudWatch metrics show high Read IOPS even when reports are not running. The CloudOps engineer must improve performance and availability. Which solution will meet these requirements?

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

D. Increase the size of the RDS instance.

Answer: B

NEW QUESTION 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 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 9

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 10

A company with millions of subscribers needs to automatically send notifications every Saturday. The company already uses Amazon SNS to send messages but has historically sent them manually.

Which solution will meet these requirements in the MOST operationally efficient way?

- A. Launch a new Amazon EC2 instanc
- B. Configure a cron job to use the AWS SDK to send an SNS notification to subscribers every Saturday.
- C. Create a rule in Amazon EventBridge that triggers every Saturda
- D. Configure the rule to publish a notification to an SNS topic.
- E. Create an SNS subscription to a message fanout that sends notifications to subscribers every Saturday.
- F. Use AWS Step Functions scheduling to run a step every Saturda
- G. Configure the step to publish a message to an SNS topic.

Answer: B

NEW QUESTION 10

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 12

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 recipient
- 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 protocol
- E. Enter the architecture team's email address as the subscriber
- F. Create an Amazon EventBridge rule that reacts when EC2 instances are launched
- 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 protocol
- I. Enter the architecture team's email address as the subscriber
- J. Create an Amazon EventBridge rule that reacts when EC2 instances are launched
- K. Specify the SQS queue as the rule's target.
- L. Create an Amazon Simple Notification Service (Amazon SNS) topic
- M. Configure AWS Systems Manager to publish EC2 events to the SNS topic
- N. Create an AWS Lambda function to poll the SNS topic
- O. Configure the Lambda function to send any messages to the architecture team's email address.

Answer: B

NEW QUESTION 14

A company manages a set of AWS accounts by using AWS Organizations. The company's security team wants to use a native AWS service to regularly scan all AWS accounts against the Center for Internet Security (CIS) AWS Foundations Benchmark.

What is the MOST operationally efficient way to meet these requirements?

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

Answer: D

NEW QUESTION 19

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

Which solution will meet these requirements?

- A. Create an S3 access point in eu-west-2 to use as the destination for S3 replication from ap-southeast-2. Ensure all users switch to the new S3 access point.
- B. Create an Amazon Route 53 hosted zone with a geolocation routing policy
- C. Choose the Alias to S3 website endpoint option
- D. Specify the S3 bucket that is in ap-southeast-2 as the source bucket.
- E. Create a new S3 bucket in eu-west-2. Copy all contents from ap-southeast-2 to the new bucket in eu-west-2. Create an S3 access point, and associate it with both buckets
- F. Ensure users use the new S3 access point.
- G. Configure and activate S3 Transfer Acceleration on the S3 bucket
- H. Use the new S3 acceleration endpoint's domain name for access.

Answer: D

NEW QUESTION 22

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

Answer: BD

NEW QUESTION 26

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 group
- B. Create a metric filter on the target CloudWatch log group
- 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 filter
- 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 in
- 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 29

A company moves workloads from public subnets to private subnets to improve security. During testing, servers in the private subnets cannot reach an external API. The VPC has a CIDR block of 10.0.0.0/16, two public subnets, two private subnets, one internet gateway, and a NAT gateway in each private subnet. The company must ensure that workloads in the private subnets can reach the external API. Which solution will meet this requirement?

- A. Deploy an outbound-only internet gateway and update route tables.
- B. Create an Amazon API Gateway HTTP API as a proxy.
- C. Deploy a NAT gateway in each public subnet and update private subnet route tables.
- D. Create a VPC interface endpoint and update route tables.

Answer: C

NEW QUESTION 31

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 Replica
- 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 34

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 Windows
- C. Attach Systems Manager inventory to the OpsItem.
- D. Create an AWS Lambda function
- 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 document
- G. Populate the details of the third-party agent package.
- H. Create a Systems Manager State Manager association to run the AWS-ConfigureAWSPackage document
- I. Populate the details of the third-party agent package
- J. Specify instance targets based on the appropriate tag value for Windows.

Answer: AE

NEW QUESTION 35

A company uses hundreds of Amazon EC2 On-Demand Instances and Spot Instances to run production and non-production workloads. The company installs and configures the AWS Systems Manager Agent (SSM Agent) on the EC2 instances.

During a recent instance patch operation, some instances were not patched because the instances were either busy or down. The company needs to generate a report that lists the current patch version of all instances.

Which solution will meet these requirements in the MOST operationally efficient way?

- A. Use Systems Manager Inventory to collect patch version
- B. Generate a report of all instances.
- C. Use Systems Manager Run Command to remotely collect patch version information
- D. Generate a report of all instances.
- E. Use AWS Config to track EC2 instance configuration changes by using output from the SSM Agent
- F. Create a custom rule to check for patch version
- G. Generate a report of all unpatched instances.
- H. Use AWS Config to monitor the patch status of the EC2 instances by using output from the SSM Agent
- I. Create a configuration compliance rule to check whether patches are installed
- J. Generate a report of all instances.

Answer: A

NEW QUESTION 38

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 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 41

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 45

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 Lake
- 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 Service
- 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 bucket
- 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 Flink
- L. Use SQL queries to generate reports.

Answer: A

NEW QUESTION 46

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 Region
- 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 Region
- 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 routing
- G. Specify the Regions that are used for the infrastructure.
- H. Configure Route 53 simple routing
- I. Specify the continent, country, and state or province that are used for the infrastructure.

Answer: AD

NEW QUESTION 48

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 hour.
- C. Restore the backup when necessary.
- D. Create a read replica in a second Availability Zone.
- 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 49

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

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

Answer: C

NEW QUESTION 53

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 54

A company's application is hosted by an internet provider at app.example.com. The company wants to access the application by using www.company.com, which the company owns and manages with Amazon Route 53. Which Route 53 record should be created to address this requirement?

- A. A record
- B. Alias record
- C. CNAME record
- D. Pointer (PTR) record

Answer: C

NEW QUESTION 56

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 resource.
- 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 59

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 60

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

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

Answer: D

NEW QUESTION 65

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

A CloudOps engineer needs to ensure that Amazon EC2 instances in the VPC can resolve DNS names for hosts in the on-premises data center. Which solution will meet this requirement with the LEAST amount of ongoing maintenance?

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

Answer: B

NEW QUESTION 69

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

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

Answer: B

NEW QUESTION 73

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

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

Which solution will meet this requirement?

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

Answer: A

NEW QUESTION 75

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 76

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` command
- B. Update the CloudFormation template to include mappings for the copied AMIs.
- C. Create a snapshot of the running instance
- 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 group
- I. Update the existing stack in us-east-1.

Answer: A

NEW QUESTION 77

A company has an internal web application that runs on Amazon EC2 instances behind an Application Load Balancer. The instances run in an Amazon EC2 Auto Scaling group in a single Availability Zone. A CloudOps engineer must make the application highly available.

Which action should the CloudOps engineer take to meet this requirement?

- A. Increase the maximum number of instances in the Auto Scaling group to meet the capacity that is required at peak usage.
- B. Increase the minimum number of instances in the Auto Scaling group to meet the capacity that is required at peak usage.
- C. Update the Auto Scaling group to launch new instances in a second Availability Zone in the same AWS Region.
- D. Update the Auto Scaling group to launch new instances in an Availability Zone in a second AWS Region.

Answer: C

NEW QUESTION 82

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 86

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 90

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 93

A company deploys AWS infrastructure in a VPC that has an internet gateway. The VPC has public subnets and private subnets. An Amazon RDS for MySQL DB instance is deployed in a private subnet. An AWS Lambda function uses the same private subnet and connects to the DB instance to query data.

A developer modifies the Lambda function to require the function to publish messages to an Amazon Simple Queue Service (Amazon SQS) queue. After these changes, the Lambda function times out when it tries to publish messages to the SQS queue. Which solutions will resolve this issue? (Select TWO.)

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

Answer: CD

NEW QUESTION 95

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 bucket
- B. Create an S3 access point for the bucket
- 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 class
- E. Update the application to use an S3 Regional endpoint.
- F. Create a second general purpose S3 bucket in the same Region
- G. Copy the objects from the original bucket to the new bucket
- H. Use the S3 Express One Zone storage class to store the objects in the new bucket
- I. Update the application to use an S3 Regional endpoint.
- J. Create an S3 directory bucket in the same Availability Zone
- K. Import objects from the original bucket to the new bucket
- L. Use the S3 Express One Zone storage class to store the objects in the new bucket
- M. Update the application to use an S3 Zonal endpoint.

Answer: D

NEW QUESTION 99

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 103

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 105

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 role
- D. Attach a policy that denies the ability to launch EC2 instances from a list of unapproved AMIs
- 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 AMIs
- 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 AMIs
- I. Configure Trusted Advisor to invoke an AWS Lambda function to terminate those EC2 instances.

Answer: A

NEW QUESTION 106

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 109

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 110

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

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

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

Answer: D

NEW QUESTION 111

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 account.
- 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 account.
- D. Create a Systems Manager Run Command that attaches the AmazonSSMServiceRolePolicy IAM policy to every IAM role that the EC2 instances use.
- 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 role.
- 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 attached.
- I. Use the organization's management account to deploy the stack set to every account in the organization.

Answer: A

NEW QUESTION 115

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

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

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

G. Use AWS CloudFormation StackSets from the management account to deploy the template in each of the accounts.

Answer: D

NEW QUESTION 116

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 function
- 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 function
- 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 function
- G. Configure the function to remove the security group rule that allows public access.

Answer: D

NEW QUESTION 118

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 121

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 122

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 124

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 129

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 instance

- B. Launch additional instances from the AMI in the same Availability Zone
- C. Add the new instances to the ALB target group.
- D. Increase the size of each instance
- E. Create an Amazon EventBridge rule
- 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 instance
- H. Launch an additional instance from the AMI in the same Availability Zone
- I. Add the new instance to the ALB target group
- J. Create an AWS Lambda function that runs when an instance is unhealthy
- K. Configure the Lambda function to stop and restart the unhealthy instance.
- L. Create an Amazon Machine Image (AMI) from a healthy instance
- M. Create a launch template that uses the AMI
- N. Create an Amazon EC2 Auto Scaling group that is deployed across multiple Availability Zones
- O. Configure the Auto Scaling group to add instances to the ALB target group.

Answer: D

NEW QUESTION 131

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

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

Which solution will meet these requirements?

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

Answer: C

NEW QUESTION 136

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

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

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

Answer: BD

NEW QUESTION 139

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 VPC
- B. Add the synthetics:GetCanaryRuns permission to the VPC
- 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 VPC
- 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 VPC
- G. Add a security group to the canary to allow outbound traffic on the DNS port
- 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 VPC
- J. Create an interface VPC endpoint for CloudWatch Synthetics
- K. Create a gateway VPC endpoint for Amazon S3. Add the permissions to allow CloudWatch Synthetics to use both endpoints.

Answer: D

NEW QUESTION 141

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 role
- B. Attach the policy to the role.
- C. Add the users to an IAM user group
- 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 143

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 gateway
- D. Associate the NAT gateway with the subnet where the Lambda function is configured to run.
- E. Create an S3 interface endpoint
- F. Change the Lambda function to use the new S3 DNS name.

Answer: D

NEW QUESTION 148

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

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

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

Answer: ABD

NEW QUESTION 150

A company is using an Amazon Aurora MySQL DB cluster that has point-in-time recovery, backtracking, and automatic backup enabled. A CloudOps engineer needs 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 152

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

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

Answer: B

NEW QUESTION 157

A company runs thousands of Amazon EC2 instances that are based on the Amazon Linux 2 Amazon Machine Image (AMI). A SysOps administrator must implement a solution to record commands and output from any user that needs an interactive session on one of the EC2 instances. The solution must log the data to a durable storage location. The solution also must provide automated notifications and alarms that are based on the log data.

Which solution will meet these requirements with the MOST operational efficiency?

- A. Configure command session logging on each EC2 instance
- B. Configure the unified Amazon CloudWatch agent to send session logs to Amazon CloudWatch Log
- C. Set up query filters and alerts by using Amazon Athena.
- D. Require all users to use a central bastion host when they need command line access to an EC2 instance
- E. Configure the unified Amazon CloudWatch agent on the bastion host to send session logs to Amazon CloudWatch Log
- F. Set up a metric filter and a metric alarm for relevant security findings in CloudWatch Logs.
- G. Require all users to use AWS Systems Manager Session Manager when they need command line access to an EC2 instance
- H. Configure Session Manager to stream session logs to Amazon CloudWatch Log
- I. Set up a metric filter and a metric alarm for relevant security findings in CloudWatch Logs.
- J. Configure command session logging on each EC2 instance
- K. Require all users to use AWS Systems Manager Run Command documents when they need command line access to an EC2 instance

- L. Configure the unified Amazon CloudWatch agent to send session logs to Amazon CloudWatch Log
- M. Set up CloudWatch alarms that are based on Amazon Athena query results.

Answer: C

NEW QUESTION 159

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 volume
- E. Replace the original volume with a volume that is created from the snapshot.

Answer: A

NEW QUESTION 161

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 164

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

How can the CloudOps engineer connect to the instance?

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

Answer: C

NEW QUESTION 165

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 group
- 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 CloudWatch
- D. Configure the alarm to publish an SNS notification based on anomaly detection.
- E. Create an Amazon CloudWatch Synthetics heartbeat monitoring canary
- F. Associate the canary with the website's URL
- G. Create a CloudWatch alarm for the canary
- 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 canary
- J. Associate the canary with the website's URL
- K. Create a CloudWatch alarm for the canary
- L. Configure the alarm to publish an SNS notification if the value of the SuccessPercent metric is less than 99%.

Answer: C

NEW QUESTION 170

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