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
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 4
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 5

A CloudOps engineer needs to ensure that AWS resources across multiple AWS accounts are tagged consistently. The company uses an organization in AWS Organizations to centrally manage the accounts. The company wants to implement cost allocation tags to accurately track the costs that are allocated to each business unit.
Which solution will meet these requirements with the LEAST operational overhead?

A. Use Organizations tag policies to enforce mandatory tagging on all resource
B. Enable cost allocation tags in the AWS Billing and Cost Management console.
C. Configure AWS CloudTrail events to invoke an AWS Lambda function to detect untagged resources and to automatically assign tags based on predefined rules.
D. Use AWS Config to evaluate tagging complianc
E. Use AWS Budgets to apply tags for cost allocation.
F. Use AWS Service Catalog to provision only pre-tagged resource
G. Use AWS Trusted Advisor to enforce tagging across the organization.

Answer: A

NEW QUESTION 6
An environment consists of 100 Amazon EC2 Windows instances. The Amazon CloudWatch agent is deployed and running on all EC2 instances with a baseline configuration file to capture log files. There is a new requirement to capture DHCP log files that exist on 50 of the instances.
What is the MOST operationally efficient way to meet this new requirement?

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

Answer: A

NEW QUESTION 7
A 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 8
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 9
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 a website on Amazon EC2 instances. Users can upload images to an Amazon S3 bucket and publish the images to the website. The company wants to deploy a serverless image-processing application that uses an AWS Lambda function to resize the uploaded images.
The company's development team has created the Lambda function. A CloudOps engineer must implement a solution to invoke the Lambda function when users upload new images to the S3 bucket.
Which solution will meet this requirement?

A. Configure an Amazon Simple Notification Service (Amazon SNS) topic to invoke the Lambda function when a user uploads a new image to the S3 bucket.
B. Configure an Amazon CloudWatch alarm to invoke the Lambda function when a user uploads a new image to the S3 bucket.
C. Configure S3 Event Notifications to invoke the Lambda function when a user uploads anew image to the S3 bucket.
D. Configure an Amazon Simple Queue Service (Amazon SQS) queue to invoke the Lambda function when a user uploads a new image to the S3 bucket.

Answer: C

NEW QUESTION 10
A company??s architecture team must receive immediate email notifications whenever new Amazon EC2 instances are launched in the company??s main AWS production account.
What should a CloudOps engineer do to meet this requirement?

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

Answer: B

NEW QUESTION 11
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 12
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 13
A company manages a set of AWS accounts by using AWS Organizations. The company??s security team wants to use a native AWS service to regularly scan all AWS accounts against the Center for Internet Security (CIS) AWS Foundations Benchmark.
What is the MOST operationally efficient way to meet these requirements?

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

Answer: D

NEW QUESTION 16
An errant process is known to use an entire processor and run at 100% CPU. A CloudOps engineer wants to automate restarting an Amazon EC2 instance when the problem occurs for more than 2 minutes.
How can this be accomplished?

A. Create an Amazon CloudWatch alarm for the EC2 instance with basic monitorin
B. Add an action to restart the instance.
C. Create an Amazon CloudWatch alarm for the EC2 instance with detailed monitorin
D. Add an action to restart the instance.
E. Create an AWS Lambda function to restart the EC2 instance, invoked on a scheduled basis every 2 minutes.
F. Create an AWS Lambda function to restart the EC2 instance, invoked by EC2 health checks.

Answer: B

NEW QUESTION 17
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 18
A company must ensure that all Amazon EC2 Windows instances that are launched in an AWS account have a third-party agent installed. The company uses AWS Systems Manager, and the Windows instances are tagged appropriately. The company must deploy periodic updates to the third-party agent when the updates become available.
Which combination of steps will meet these requirements with the LEAST operational effort? (Select TWO.)

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

Answer: AE

NEW QUESTION 20
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 22
A CloudOps engineer is troubleshooting an AWS CloudFormation stack creation that failed. Before the CloudOps engineer can identify the problem, the stack and its resources are deleted. For future deployments, the CloudOps engineer must preserve any resources that CloudFormation successfully created.
What should the CloudOps engineer do to meet this requirement?

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

Answer: B

NEW QUESTION 27
A CloudOps engineer is using AWS Compute Optimizer to generate recommendations for a fleet of Amazon EC2 instances. Some of the instances use newly released instance types, while other instances use older instance types.
After the analysis is complete, the CloudOps engineer notices that some of the EC2 instances are missing from the Compute Optimizer dashboard.
What is the likely cause of this issue?

A. The missing instances have insufficient historical Amazon CloudWatch metric data for analysis.

B. Compute Optimizer does not support the instance types of the missing instances.
C. Compute Optimizer already considers the missing instances to be optimized.
D. The missing instances are running a Windows operating system.

Answer: B

NEW QUESTION 28
A medical research company uses an Amazon Bedrock powered AI assistant with agents and knowledge bases to provide physicians quick access to medical study protocols. The company needs to generate audit reports that contain user identities, usage data for Bedrock agents, access data for knowledge bases, and interaction parameters.
Which solution will meet these requirements?

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

Answer: A

NEW QUESTION 33
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 37
A company runs an application that logs user data to an Amazon CloudWatch Logs log group. The company discovers that personal information the application has logged is visible in plain text in the CloudWatch logs.
The company needs a solution to redact personal information in the logs by default. Unredacted information must be available only to the company's security team.
Which solution will meet these requirements?

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

Answer: C

NEW QUESTION 40
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 44
A company runs applications on Amazon EC2 instances. The company wants to ensure that SSH ports on the EC2 instances are never open. The company has enabled AWS Config and has set up the restricted-ssh AWS managed rule.
A CloudOps engineer must implement a solution to remediate SSH port access for noncompliant security groups.
What should the engineer do to meet this requirement with the MOST operational efficiency?

A. Configure the AWS Config rule to identify noncompliant security group
B. Configure the rule to use the AWS-PublishSNSNotification AWS Systems Manager Automation runbook to send notifications about noncompliant resources.
C. Configure the AWS Config rule to identify noncompliant security group
D. Configure the rule to use the AWS-DisableIncomingSSHOnPort22 AWS Systems Manager Automation runbook to remediate noncompliant resources.
E. Make an AWS Config API call to search for noncompliant security group
F. Disable SSH access for noncompliant security groups by using a Deny rule.
G. Configure the AWS Config rule to identify noncompliant security group
H. Manually update each noncompliant security group to remove the Allow rule.

Answer: B

NEW QUESTION 47
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 48
A company??s CloudOps engineer monitors multiple AWS accounts in an organization and checks each account??s AWS Health Dashboard. After adding 10 new accounts, the engineer wants to consolidate health alerts from all accounts.
Which solution meets this requirement with the least operational effort?

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

Answer: A

NEW QUESTION 52
A company needs to enforce tagging requirements for Amazon DynamoDB tables in its AWS accounts. A CloudOps engineer must implement a solution to identify and remediate all DynamoDB tables that do not have the appropriate tags.
Which solution will meet these requirements with the LEAST operational overhead?

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

Answer: C

NEW QUESTION 57
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 62
A company is running an ecommerce application on AWS. The application maintains many open but idle connections to an Amazon Aurora DB cluster. During times of peak usage, the database produces the following error message: "Too many connections." The database clients are also experiencing errors.
Which solution will resolve these errors?

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

Answer: B

NEW QUESTION 65
A CloudOps engineer configures an application to run on Amazon EC2 instances behind an Application Load Balancer (ALB) in a simple scaling Auto Scaling group with the default settings. The Auto Scaling group is configured to use the RequestCountPerTarget metric for scaling. The CloudOps engineer notices that the RequestCountPerTarget metric exceeded the specified limit twice in 180 seconds.
How will the number of EC2 instances in this Auto Scaling group be affected in this scenario?

A. The Auto Scaling group will launch an additional EC2 instance every time the RequestCountPerTarget metric exceeds the predefined limit.
B. The Auto Scaling group will launch one EC2 instance and will wait for the default cooldown period before launching another instance.
C. The Auto Scaling group will send an alert to the ALB to rebalance the traffic and not add new EC2 instances until the load is normalized.
D. The Auto Scaling group will try to distribute the traffic among all EC2 instances before launching another instance.

Answer: B

NEW QUESTION 67
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 71
A company uses AWS Organizations to manage multiple AWS accounts. A CloudOps engineer must identify all IPv4 ports open to 0.0.0.0/0 across the organization??s accounts.
Which solution will meet this requirement with the LEAST operational effort?

A. Use the AWS CLI to print all security group rules for review.
B. Review AWS Trusted Advisor findings in an organizational view for the Security Groups – Specific Ports Unrestricted check.
C. Create an AWS Lambda function to gather security group rules from all account
D. Aggregate the findings in an Amazon S3 bucket.
E. Enable Amazon Inspector in each accoun
F. Run an automated workload discovery job.

Answer: B

NEW QUESTION 73
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 74
To comply with regulations, a SysOps administrator needs to back up an Amazon EC2 Amazon Machine Image (AMI) to an Amazon S3 bucket. If the SysOps administrator restores the AMI from the bucket in the future, the AMI must use the same AMI image ID as the original AMI.
Which solution will meet this requirement?

A. Create a copy of the AM
B. Specify the destination S3 bucke

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

Answer: C

NEW QUESTION 76
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 81
A company has a VPC that contains a public subnet and a private subnet. The company deploys an Amazon EC2 instance that uses an Amazon Linux Amazon Machine Image (AMI) and has the AWS Systems Manager Agent (SSM Agent) installed in the private subnet. The EC2 instance is in a security group that allows only outbound traffic.
A CloudOps engineer needs to give a group of privileged administrators the ability to connect to the instance through SSH without exposing the instance to the internet.
Which solution will meet this requirement?

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

Answer: A

NEW QUESTION 84
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 86
A company has an on-premises DNS solution and wants to resolve DNS records in an Amazon Route 53 private hosted zone for example.com. The company has set up an AWS Direct Connect connection for network connectivity between the on-premises network and the VPC. A CloudOps engineer must ensure that an on-premises server can query records in the example.com domain.
What should the CloudOps engineer do to meet these requirements?

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

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

Answer: A

NEW QUESTION 90
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 92
A company uses an organization in AWS Organizations to manage multiple AWS accounts. The company needs to send specific events from all the accounts in the organization to a new receiver account, where an AWS Lambda function will process the events.
A CloudOps engineer configures Amazon EventBridge to route events to a target event bus in the us-west-2 Region in the receiver account. The CloudOps engineer creates rules in both the sender and receiver accounts that match the specified events. The rules do not specify an account parameter in the event pattern. IAM roles are created in the sender accounts to allow PutEvents actions on the target event bus.
However, the first test events from the us-east-1 Region are not processed by the Lambda function in the receiving account.
What is the likely reason the events are not processed?

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

Answer: C

NEW QUESTION 94
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 99
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 104
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 107
A CloudOps engineer wants to configure observability of specific metrics for a public website that runs on Amazon Elastic Kubernetes Service (Amazon EKS). The CloudOps engineer wants to observe latency, traffic, errors, and saturation metrics. The CloudOps engineer wants to define service level objectives (SLOs) and monitor service level indicators (SLIs). The CloudOps engineer also wants to correlate metrics, logs, and traces to support faster issue resolution.
Which solution will meet these requirements with the LEAST operational effort?

A. Use Amazon CloudWatch Application Signals to automatically collect and monitor the specified metrics for the EKS workloads.
B. Configure AWS Distro for OpenTelemetry and use Amazon Managed Service for Prometheus and Amazon Managed Grafana.
C. Configure Amazon CloudWatch RUM and CloudWatch Synthetics canaries.
D. Configure Amazon CloudWatch Application Insights.

Answer: A

NEW QUESTION 111
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 114
A company deploys AWS infrastructure in a VPC that has an internet gateway. The VPC has public subnets and private subnets. An Amazon RDS for MySQL DB instance is deployed in a private subnet. An AWS Lambda function uses the same private subnet and connects to the DB instance to query data.
A developer modifies the Lambda function to require the function to publish messages to an Amazon Simple Queue Service (Amazon SQS) queue. After these changes, the Lambda function times out when it tries to publish messages to the SQS queue.
Which solutions will resolve this issue? (Select TWO.)

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

Answer: CD

NEW QUESTION 116
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 120
A company runs applications on Amazon EC2 instances. Many of the instances are not patched. The company has a tagging policy. All the instances are tagged with details about the owners, application, and environment. AWS Systems Manager Agent (SSM Agent) is installed on all the instances.
A SysOps administrator must implement a solution to automatically patch all existing and future instances that have "Prod" in the environment tag. The SysOps administrator plans to create a patch policy in Systems Manager Patch Manager.
Which solution will meet the patching requirements with the LEAST operational overhead?

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

I. Create an Amazon EventBridge rule that uses an appropriately defined filter to add new instances to the resource group
J. Attach the resource groups to the patch policy.

Answer: A

NEW QUESTION 123
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 124
A company maintains a list of 75 approved Amazon Machine Images (AMIs) that can be used across an organization in AWS Organizations. The company's development team has been launching Amazon EC2 instances from unapproved AMIs.
A SysOps administrator must prevent users from launching EC2 instances from unapproved AMIs.
Which solution will meet this requirement?

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

Answer: A

NEW QUESTION 128
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 130
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 133
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 135
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 136
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 140
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 141
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 143
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 148
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 150
A company has a microservice that runs on Amazon EC2 instances behind an Application Load Balancer (ALB). A CloudOps engineer must use Amazon Route 53 to create a record that maps the ALB URL to example.com.
Which type of Route 53 record will meet this requirement?

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

Answer: C

NEW QUESTION 154
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 155
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 158
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 159
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 164
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 165
A company is storing backups in an Amazon S3 bucket. These backups must not be deleted for at least 3 months after creation.
What should the CloudOps engineer do?

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

Answer: B

NEW QUESTION 169
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 172
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 175
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 178
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 183
A company needs to monitor its website's availability to end users. The company needs a solution to provide an Amazon Simple Notification Service (Amazon SNS) notification if the website's uptime decreases to less than 99%. The monitoring must provide an accurate view of the user experience on the website.
Which solution will meet these requirements?

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

Answer: C

NEW QUESTION 184
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 185
A company plans to migrate several of its high-performance computing (HPC) virtual machines to Amazon EC2. The deployment must minimize network latency and maximize network throughput between the instances.
Which placement group strategy should the CloudOps engineer choose?

A. Deploy the instances in a cluster placement group in one Availability Zone.
B. Deploy the instances in a partition placement group in two Availability Zones.
C. Deploy the instances in a partition placement group in one Availability Zone.
D. Deploy the instances in a spread placement group in two Availability Zones.

Answer: A

NEW QUESTION 190
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