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

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

**Answer:** A

**NEW QUESTION 3**
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 4**
A company runs an application on Amazon EC2 instances in an Auto Scaling group. Scale- out actions take a long time because of long-running boot scripts. The CloudOps engineer must reduce scale-out time without overprovisioning.
Which solution will meet these requirements?

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

**Answer:** D

**NEW QUESTION 5**
A company uses AWS Organizations to manage a set of AWS accounts. The company has set up organizational units (OUs) in the organization. An application OU supports various applications.
A CloudOps engineer must prevent users from launching Amazon EC2 instances that do not have a CostCenter-Project tag into any account in the application OU. The restriction must apply only to accounts in the application OU.
Which solution will meet these requirements?

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

G. Create a service control policy (SCP) that denies the ec2:RunInstances action when the CostCenter-Project tag is missin
H. Attach the SCP to the root OU.

**Answer:** B

**NEW QUESTION 6**
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 7**
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 8**
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 9**
A company has a new security policy that requires all Amazon Elastic Block Store (Amazon EBS) volumes to be encrypted at rest. The company needs to use a custom key policy to manage access to the encryption keys. The company must rotate the keys once each year.
Which solution will meet these requirements with the LEAST operational overhead?

A. Create AWS KMS symmetric customer managed key
B. Enable automatic key rotation.
C. Use AWS owned AWS KMS keys across the company's AWS environment.
D. Create AWS KMS asymmetric customer managed key
E. Enable automatic key rotation.
F. Create AWS KMS symmetric customer managed keys by using imported key materia
G. Rotate the keys on a yearly basis.

**Answer:** A

**NEW QUESTION 10**
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 10**
An Amazon EC2 instance is running an application that uses Amazon Simple Queue Service (Amazon SQS) queues. A CloudOps engineer must ensure that the application can read, write, and delete messages from the SQS queues.
Which solution will meet these requirements in the MOST secure manner?

A. Create an IAM user with an IAM policy that allows the sqs:SendMessage permission, the sqs:ReceiveMessage permission, and the sqs:DeleteMessage permission to the appropriate queue
B. Embed the IAM user's credentials in the application's configuration.
C. Create an IAM user with an IAM policy that allows the sqs:SendMessage permission, the sqs:ReceiveMessage permission, and the sqs:DeleteMessage permission to the appropriate queue
D. Export the IAM user's access key and secret access key as environment variables on the EC2 instance.
E. Create and associate an IAM role that allows EC2 instances to call AWS service
F. Attach an IAM policy to the role that allows sqs:* permissions to the appropriate queues.
G. Create and associate an IAM role that allows EC2 instances to call AWS services.Attach an IAM policy to the role that allows the sqs:SendMessage permission, the sqs:ReceiveMessage permission, and the sqs:DeleteMessage permission to the appropriate queues.

**Answer:** D

**NEW QUESTION 11**
An application runs on Amazon EC2 instances that are in an Auto Scaling group. A CloudOps engineer needs to implement a solution that provides a central storage location for errors that the application logs to disk. The solution must also provide an alert when the application logs an error.
What should the CloudOps engineer do to meet these requirements?

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

**Answer:** A

**NEW QUESTION 16**
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 19**
A company is implementing security and compliance by using AWS Trusted Advisor. The company??s CloudOps team is validating the list of Trusted Advisor checks that it can access.
Which factor will affect the quantity of available Trusted Advisor checks?

A. Whether at least one Amazon EC2 instance is in the running state
B. The AWS Support plan
C. An AWS Organizations service control policy (SCP)
D. Whether the AWS account root user has multi-factor authentication (MFA) enabled

**Answer:** B

**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 26**

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 30**
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 31**
A CloudOps engineer needs to ensure that AWS resources across multiple AWS accounts are tagged consistently. The company uses an organization in AWS Organizations to centrally manage the accounts. The company wants to implement cost allocation tags to accurately track the costs that are allocated to each business unit.
Which solution will meet these requirements with the LEAST operational overhead?

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

**Answer:** A

**NEW QUESTION 36**
A 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 39**
A CloudOps engineer needs to build an event infrastructure for custom application- specific events. The events must be sent to an AWS Lambda function for processing. The CloudOps engineer must record the events so they can be replayed later by event type or event time.
Which solution will meet these requirements?

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

**Answer:** A

**NEW QUESTION 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 45**
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 47**
A SysOps administrator monitors and maintains the availability of resources in an AWS environment. The SysOps administrator notices that the CPU utilization of an Amazon EC2 instance that runs web server software peaks above 80% at various times during each day. The CPU spikes correlate with peak daily loads. The high CPU load has resulted in performance issues for customers.
The SysOps administrator needs to resolve the system performance issue without causing any service disruptions. Which solution will meet these requirements?

A. Configure an Amazon CloudWatch alarm that invokes an AWS Systems Manager Automation runbook to vertically scale the EC2 instance when the CPU utilization exceeds 80%.
B. Configure an AWS Systems Manager Automation runbook to run a script that automatically restarts the application when CPU utilization exceeds 80%.
C. Configure an Amazon EventBridge rule that invokes an AWS Systems Manager Automation documen
D. Configure the document to increase the EC2 instance size when CPU utilization exceeds 80%.
E. Set up an Auto Scaling group with an Amazon CloudWatch alarm that triggers a scaling policy to launch additional EC2 instances when the CPU utilization exceeds 80%.

**Answer:** D

**NEW QUESTION 48**
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 50**
A company deploys an application on Amazon EC2 instances in an Auto Scaling group behind an Application Load Balancer (ALB). The company wants to protect the application from SQL injection attacks.
Which solution will meet this requirement?

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

**Answer:** D

**NEW QUESTION 51**
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 56**
A SysOps administrator creates a custom Amazon Machine Image (AMI) in the eu-west-2 Region and uses the AMI to launch Amazon EC2 instances. The SysOps administrator needs to use the same AMI to launch EC2 instances in two other Regions: us-east-1 and us-east-2.
What must the SysOps administrator do to use the custom AMI in the additional Regions?

A. Copy the AMI to the additional Regions
B. Make the AMI public in the Community AMIs section of the AWS Management Console
C. Share the AMI to the additional Region
D. Assign the required access permissions.
E. Copy the AMI to a new Amazon S3 bucke
F. Assign access permissions to the AMI for the additional Regions

**Answer:** A

**NEW QUESTION 57**
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 59**
A CloudOps engineer must ensure that all of a company's current and future Amazon S3 buckets have logging enabled. If an S3 bucket does not have logging enabled, an automated process must enable logging for the S3 bucket.
Which solution will meet these requirements?

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

**Answer:** D

**NEW QUESTION 62**
A company runs a web application on three Amazon EC2 instances behind an Application Load Balancer (ALB). The company notices that random periods of increased traffic cause a degradation in the application??s performance.
A CloudOps engineer must scale the application to meet the increased traffic. Which solution meets these requirements?

A. Create an Amazon CloudWatch alarm to monitor application latency and increase the size of each EC2 instance if the desired threshold is reached.
B. Create an Amazon EventBridge rule to monitor application latency and add an EC2 instance to the ALB if the desired threshold is reached.
C. Deploy the application to an Auto Scaling group of EC2 instances with a target tracking scaling polic
D. Attach the ALB to the Auto Scaling group.
E. Deploy the application to an Auto Scaling group of EC2 instances with a scheduled scaling polic
F. Attach the ALB to the Auto Scaling group.

**Answer:** C

**NEW QUESTION 64**
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 67**
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 72**
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 73**
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 74**
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 75**
A company??s security policy prohibits connecting to Amazon EC2 instances through SSH and RDP. Instead, staff must use AWS Systems Manager Session Manager. Users report they cannot connect to one Ubuntu instance, even though they can connect to others.
What should a CloudOps engineer do to resolve this issue?

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

**Answer:** B

**NEW QUESTION 76**
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 81**
A company runs a high performance computing (HPC) data-processing application on Amazon EC2 instances in one Availability Zone within a development environment. The application uses a dataset that the company stores on an Amazon S3 general purpose
bucket in the same AWS Region as the EC2 instances.
A SysOps administrator must improve the application's performance for retrieval of objects from Amazon S3.
Which solution will meet these requirements?

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

**Answer:** D

**NEW QUESTION 86**
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 89**

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 93**
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 96**
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 98**
A CloudOps engineer is maintaining a web application that uses an Amazon CloudFront web distribution, an Application Load Balancer (ALB), Amazon RDS, and Amazon EC2 in a VPC. All services have logging enabled. The CloudOps engineer needs to investigate HTTP Layer 7 status codes from the web application.
Which log sources contain the status codes? (Select TWO.)

A. VPC Flow Logs
B. AWS CloudTrail logs
C. ALB access logs
D. CloudFront access logs
E. RDS logs

**Answer:** CD

**NEW QUESTION 100**
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 103**
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 105**
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 107**
A CloudOps engineer has successfully deployed a VPC with an AWS CloudFormation template. The CloudOps engineer wants to deploy the same template across multiple accounts that are managed through AWS Organizations.
Which solution will meet this requirement with the LEAST operational overhead?

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

**Answer:** D

**NEW QUESTION 110**
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 113**
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 115**
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 118**
A company hosts a critical legacy application on two Amazon EC2 instances that are in one Availability Zone. The instances run behind an Application Load Balancer (ALB). The company uses Amazon CloudWatch alarms to send Amazon Simple Notification Service (Amazon SNS) notifications when the ALB health checks detect an unhealthy instance. After a notification, the company's engineers manually restart the unhealthy instance. A CloudOps engineer must configure the application to be highly available and more resilient to failures. Which solution will meet these requirements?

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

**Answer:** D

**NEW QUESTION 122**
A global company runs a critical primary workload in the us-east-1 Region. The company wants to ensure business continuity with minimal downtime in case of a workload failure. The company wants to replicate the workload to a second AWS Region.
A CloudOps engineer needs a solution that achieves a recovery time objective (RTO) of less than 10 minutes and a zero recovery point objective (RPO) to meet service level agreements.
Which solution will meet these requirements?

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

**Answer:** C

**NEW QUESTION 123**
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 125**
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 126**
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 127**
A user working in the Amazon EC2 console increased the size of an Amazon Elastic Block Store (Amazon EBS) volume attached to an Amazon EC2 Windows instance. The change is not reflected in the file system.
What should a CloudOps engineer do to resolve this issue?

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

**Answer:** A

**NEW QUESTION 132**
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 133**
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 137**
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