Amazon-Web-Services

Exam Questions SOA-C03

AWS Certified CloudOps Engineer - Associate

NEW QUESTION 1
A company has an application running on EC2 that stores data in an Amazon RDS for MySQL Single-AZ DB instance. The application requires both read and write operations, and the company needs failover capability with minimal downtime.
Which solution will meet these requirements?

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

Answer: A

NEW QUESTION 2
A company??s reporting job that previously ran in 15 minutes is now taking 1 hour. The application runs on Amazon EC2 and extracts data from an Amazon RDS for MySQL DB instance.
CloudWatch metrics show high Read IOPS even when reports are not running. The CloudOps engineer must improve performance and availability. Which solution will meet these requirements?

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

Answer: B

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

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

Answer: D

NEW QUESTION 4
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 5
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 6
An AWS CloudFormation template creates an Amazon RDS instance. This template is used to build up development environments as needed and then delete the stack when the environment is no longer required. The RDS-persisted data must be retained for further use, even after the CloudFormation stack is deleted.
How can this be achieved in a reliable and efficient way?

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

Answer: C

NEW QUESTION 7
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 8
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 9
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 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 10

A company uses hundreds of Amazon EC2 On-Demand Instances and Spot Instances to run production and non-production workloads. The company installs and configures the AWS Systems Manager Agent (SSM Agent) on the EC2 instances.
During a recent instance patch operation, some instances were not patched because the instances were either busy or down. The company needs to generate a report that lists the current patch version of all instances.
Which solution will meet these requirements in the MOST operationally efficient way?

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

Answer: A

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

A. Use Amazon Detective to continuously find and uninstall unauthorized modules from the instances.
B. Use Amazon GuardDuty to create and deploy an Amazon Machine Image (AMI) that includes only the approved modules.
C. Use AWS Systems Manager Run Command to install the approved modules on all running instances during an in-place update.
D. Use EC2 Image Builder to create and test an Amazon Machine Image (AMI) that includes only the approved module
E. Update the deployment workflow to use the new AMI.

Answer: D

NEW QUESTION 13
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 14
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 16
A financial services company stores customer images in an Amazon S3 bucket in the us- east-1 Region. To comply with regulations, the company must ensure that all existing objects are replicated to an S3 bucket in a second AWS Region. If an object replication fails, the company must be able to retry replication for the object.
What solution will meet these requirements?

A. Configure Amazon S3 Cross-Region Replication (CRR). Use Amazon S3 live replication to replicate existing objects.
B. Configure Amazon S3 Cross-Region Replication (CRR). Use S3 Batch Replication to replicate existing objects.
C. Configure Amazon S3 Cross-Region Replication (CRR). Use S3 Replication Time Control (S3 RTC) to replicate existing objects.
D. Use S3 Lifecycle rules to move objects to the destination bucket in a second Region.

Answer: B

NEW QUESTION 21
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 23
A company has an application that collects notifications from thousands of alarm systems. Notifications include alarm notifications and information notifications. All notifications are stored in an Amazon Simple Queue Service (Amazon SQS) queue. Amazon EC2 instances in an Auto Scaling group process the messages.
A CloudOps engineer needs to prioritize alarm notifications over information notifications. Which solution will meet these requirements?

A. Scale the Auto Scaling group faster when message volume increases.
B. Use Amazon SNS fanout to send messages to all EC2 instances.
C. Add an Amazon DynamoDB stream to accelerate processing.
D. Create separate SQS queues for alarm notifications and information notifications and process alarm messages first.

Answer: D

NEW QUESTION 27
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 30
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 33
A company has an AWS CloudFormation template that includes an AWS::EC2::Instance resource and a custom resource (Lambda function). The Lambda function fails because it runs before the EC2 instance is launched.
Which solution will resolve this issue?

A. Add a DependsOn attribute to the custom resourc
B. Specify the EC2 instance in the DependsOn attribute.
C. Update the custom resource's service token to point to a valid Lambda function.
D. Update the Lambda function to use the cfn-response module to send a response to the custom resource.
E. Use the Fn::If intrinsic function to check for the EC2 instance before the custom resource runs.

Answer: A

NEW QUESTION 38
A company uses Amazon ElastiCache (Redis OSS) to cache application data. A CloudOps engineer must implement a solution to increase the resilience of the cache and minimize the recovery time objective (RTO).
Which solution will meet these requirements?

A. Replace ElastiCache (Redis OSS) with ElastiCache (Memcached).
B. Create an Amazon EventBridge rule to initiate a backup every hour.
C. Create a read replica in a second Availability Zone and enable Multi-AZ for the Redisreplication group.
D. Enable automatic backups and restore the backups when necessary.

Answer: C

NEW QUESTION 42
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 46
A company has users that deploy Amazon EC2 instances with more Amazon EBS performance capacity than required. A CloudOps engineer must review all EBS volumes and create cost optimization recommendations based on IOPS and throughput.
What should the CloudOps engineer do in the MOST operationally efficient way?

A. Review EC2 console monitoring graphs manually.
B. Change instance types to EBS-optimized.
C. Opt in to AWS Compute Optimizer and review EBS volume recommendations.
D. Run fio benchmarks on each instance.

Answer: C

NEW QUESTION 51
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 53
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 56
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 61
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 63
A CloudOps engineer has created a VPC that contains a public subnet and a private subnet. Amazon EC2 instances that were launched in the private subnet cannot access the internet. The default network ACL is active on all subnets in the VPC, and all security groups allow outbound traffic.
Which solution will provide the EC2 instances in the private subnet with access to the internet?

A. Create a NAT gateway in the public subne
B. Create a route from the private subnet to the NAT gateway.
C. Create a NAT gateway in the public subne
D. Create a route from the public subnet to the NAT gateway.
E. Create a NAT gateway in the private subne
F. Create a route from the public subnet to the NAT gateway.
G. Create a NAT gateway in the private subne
H. Create a route from the private subnet to the NAT gateway.

Answer: A

NEW QUESTION 68
A company hosts a production MySQL database on an Amazon Aurora single-node DB cluster. The database is queried heavily for reporting purposes. The DB cluster is experiencing periods of performance degradation because of high CPU utilization and maximum connections errors. A CloudOps engineer needs to improve the stability of the database.
Which solution will meet these requirements?

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

Answer: A

NEW QUESTION 69
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 71
A company is migrating a legacy application to AWS. The application runs on EC2 instances across multiple Availability Zones behind an Application Load Balancer (ALB). The target group routing algorithm is set to weighted random, and the application requires session affinity (sticky sessions).
After deployment, users report random application errors that were not present before migration, even though target health checks are passing.
Which solution will meet this requirement?

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

Answer: A

NEW QUESTION 75
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 80
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 81
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 86
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 87
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 88
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 89
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 92
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 97
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 99
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 104
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 109
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 113
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 115
A company hosts an FTP server on EC2 instances. AWS Security Hub sends findings to Amazon EventBridge when the FTP port becomes publicly exposed in attached security groups.
A CloudOps engineer needs an automated, event-driven remediation solution to remove public access from security groups.
Which solution will meet these requirements?

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

Answer: D

NEW QUESTION 119
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 121
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 123
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 127
A company that uses AWS Organizations recently implemented AWS Control Tower. The company now needs to centralize identity management. A CloudOps engineer must federate AWS IAM Identity Center with an external SAML 2.0 identity provider (IdP) to centrally manage access to all AWS accounts and cloud applications.
Which prerequisites must the CloudOps engineer have so that the CloudOps engineer can connect to the external IdP? (Select TWO.)

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

Answer: AB

NEW QUESTION 131
A CloudOps engineer wants to provide access to AWS services by attaching an IAM policy to multiple IAM users. The CloudOps engineer also wants to be able to change the policy and create new versions.
Which combination of actions will meet these requirements? (Select TWO.)

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

Answer: BD

NEW QUESTION 135

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

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

Answer: D

NEW QUESTION 140
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 144
A company has deployed Amazon EC2 instances from custom AMIs in two AWS Regions. All instances are registered with AWS Systems Manager. The company discovers a critical zero-day OS exploit but does not know which instances are affected.
A CloudOps engineer must deploy operating system patches with the LEAST operational overhead.
Which solution will meet this requirement?

A. Define a patch baseline in Systems Manager Patch Manage
B. Run a scan to identify affected instances and use Patch Now in each Region.
C. Use AWS Config to identify affected instances and then patch them.
D. Use EventBridge to trigger patching automatically.
E. Update the AMIs and manually replace instances.

Answer: A

NEW QUESTION 148
A company uses AWS Systems Manager Session Manager to manage EC2 instances in the eu-west-1 Region. The company wants private connectivity using VPC endpoints.
Which VPC endpoints are required to meet these requirements? (Select THREE.)

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

Answer: ABD

NEW QUESTION 149
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 151
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 156
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 157
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 159
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 163
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 166
A company has two AWS accounts connected by a transit gateway. Each account has one VPC in the same AWS Region. The company wants to simplify inbound and outbound rules in security groups by referencing security group IDs instead of IP CIDR blocks.
Which solution will meet this requirement?

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

Answer: C

NEW QUESTION 168
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