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 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 3
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 4
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 5
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 6
A company manages a set of AWS accounts by using AWS Organizations. The company??s security team wants to use a native AWS service to regularly scan all AWS accounts against the Center for Internet Security (CIS) AWS Foundations Benchmark.
What is the MOST operationally efficient way to meet these requirements?

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

Answer: D

NEW QUESTION 7
An errant process is known to use an entire processor and run at 100% CPU. A CloudOps engineer wants to automate restarting an Amazon EC2 instance when the problem occurs for more than 2 minutes.
How can this be accomplished?

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

Answer: B

NEW QUESTION 8
A SysOps administrator is configuring an Auto Scaling group of Amazon EC2 instances for an application. The average CPU utilization of the instances in the Auto Scaling group must remain at approximately 40% when the load on the application changes.
Which solution will meet this requirement in the MOST operationally efficient manner?

A. Create a scheduled scaling actio
B. Configure the action to run at times when the application typically experiences an increase in traffic.
C. Configure a simple scaling polic
D. Create an Amazon CloudWatch alarm that enters ALARM state when CPU utilization is greater than 40%. Associate the alarm with the scaling policy.
E. Configure a step scaling polic
F. Create an Amazon CloudWatch alarm that enters ALARM state when CPU utilization is greater than 40%. Associate the alarm with the scaling policy.
G. Configure a target tracking scaling polic
H. Specify a target value of 40 for average CPU utilization.

Answer: D

NEW QUESTION 9
A company hosts an encrypted Amazon S3 bucket in the ap-southeast-2 Region. Users from the eu-west-2 Region access the S3 bucket through the internet. The users from eu- west-2 need faster transfers to and from the S3 bucket for large files.
Which solution will meet these requirements?

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

Answer: D

NEW QUESTION 10
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 13
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 17
An Amazon EC2 instance is running an application that uses Amazon Simple Queue Service (Amazon SQS) queues. A CloudOps engineer must ensure that the application can read, write, and delete messages from the SQS queues.
Which solution will meet these requirements in the MOST secure manner?

A. Create an IAM user with permissions and embed credentials in the application configuration.
B. Create an IAM user with permissions and export credentials as environment variables.
C. Create and associate an IAM role for EC2. Attach a policy that allows sqs:* permissions.
D. Create and associate an IAM role for EC2. Attach a policy that allows SendMessage, ReceiveMessage, and DeleteMessage permissions.

Answer: D

NEW QUESTION 19
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 22
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 24
A CloudOps engineer needs to control access to groups of Amazon EC2 instances using AWS Systems Manager Session Manager. Specific tags on the EC2 instances have already been added.
Which additional actions should the CloudOps engineer take to control access? (Select TWO.)

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

Answer: AE

NEW QUESTION 29
A medical research company uses an Amazon Bedrock powered AI assistant with agents and knowledge bases to provide physicians quick access to medical study protocols. The company needs to generate audit reports that contain user identities, usage data for Bedrock agents, access data for knowledge bases, and interaction parameters.
Which solution will meet these requirements?

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

Answer: A

NEW QUESTION 31
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 36
A company runs an application that logs user data to an Amazon CloudWatch Logs log group. The company discovers that personal information the application has logged is visible in plain text in the CloudWatch logs.
The company needs a solution to redact personal information in the logs by default. Unredacted information must be available only to the company's security team.
Which solution will meet these requirements?

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

Answer: C

NEW QUESTION 40
A company has a multi-account AWS environment that includes the following:
• A central identity account that contains all IAM users and groups
• Several member accounts that contain IAM roles
A SysOps administrator must grant permissions for a particular IAM group to assume a role in one of the member accounts. How should the SysOps administrator accomplish this task?

A. In the member account, add sts:AssumeRole permissions to the role's polic
B. In the identity account, add a trust policy to the group that specifies the account number of the member account.
C. In the member account, add the group Amazon Resource Name (ARN) to the role's trust polic
D. In the identity account, add an inline policy to the group with sts:AssumeRole permissions.
E. In the member account, add the group Amazon Resource Name (ARN) to the role's trust polic
F. In the identity account, add an inline policy to the group with sts:PassRole permissions.
G. In the member account, add the group Amazon Resource Name (ARN) to the role's inline polic
H. In the identity account, add a trust policy to the group with sts:AssumeRole permissions.

Answer: B

NEW QUESTION 45
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 50
A global gaming company is preparing to launch a new game on AWS. The game runs in multiple AWS Regions on a fleet of Amazon EC2 instances. The instances are in an Auto Scaling group behind an Application Load Balancer (ALB) in each Region. The company plans to use Amazon Route 53 for DNS services. The DNS configuration must direct users to the Region that is closest to them and must provide automated failover.
Which combination of steps should a CloudOps engineer take to configure Route 53 to meet these requirements? (Select TWO.)

A. Create Amazon CloudWatch alarms that monitor the health of the ALB in each Regio
B. Configure Route 53 DNS failover by using a health check that monitors the alarms.
C. Create Amazon CloudWatch alarms that monitor the health of the EC2 instances in each Regio
D. Configure Route 53 DNS failover by using a health check that monitors the alarms.
E. Configure Route 53 DNS failover by using a health check that monitors the private IP address of an EC2 instance in each Region.
F. Configure Route 53 geoproximity routin
G. Specify the Regions that are used for the infrastructure.
H. Configure Route 53 simple routin
I. Specify the continent, country, and state or province that are used for the infrastructure.

Answer: AD

NEW QUESTION 54
A CloudOps engineer is designing a solution for an Amazon RDS for PostgreSQL DB instance. Database credentials must be stored and rotated monthly. The application generates write-intensive traffic with variable and sudden increases in client connections.
Which solution should the CloudOps engineer choose to meet these requirements?

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

Answer: C

NEW QUESTION 55
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 56
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 58
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 61
A company's application is hosted by an internet provider at app.example.com. The company wants to access the application by using www.company.com, which the company owns and manages with Amazon Route 53.
Which Route 53 record should be created to address this requirement?

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

Answer: C

NEW QUESTION 66
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 69
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 74
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 75
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 78
A company uses AWS Organizations to manage multiple AWS accounts. A CloudOps engineer must identify all IPv4 ports open to 0.0.0.0/0 across the organization??s accounts.
Which solution will meet this requirement with the LEAST operational effort?

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

Answer: B

NEW QUESTION 79
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 83
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 88
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 93
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 94
A company has a stateful web application that is hosted on Amazon EC2 instances in an Auto Scaling group. The instances run behind an Application Load Balancer (ALB) that has a single target group. The ALB is configured as the origin in an Amazon CloudFront distribution. Users are reporting random logouts from the web application.
Which combination of actions should a CloudOps engineer take to resolve this problem? (Select TWO.)

A. Change to the least outstanding requests algorithm on the ALB target group.
B. Configure cookie forwarding in the CloudFront distribution cache behavior.
C. Configure header forwarding in the CloudFront distribution cache behavior.
D. Enable group-level stickiness on the ALB listener rule.
E. Enable sticky sessions on the ALB target group.

Answer: BE

NEW QUESTION 95
A SysOps administrator needs to encrypt an existing Amazon Elastic File System (Amazon EFS) file system by using an existing AWS KMS customer managed key.
Which solution will meet these requirements?

A. Use Amazon EFS replication to create a new file syste
B. Copy the data and metadata from the existing file system to the new file syste
C. Specify the KMS customer managed key in the replication configuratio
D. When the replication process finishes, fail over to the new encrypted file system.
E. Directly modify the file system to use encryptio
F. Specify the KMS customer managed key.
G. Use Amazon EFS replication to create a new file syste
H. Copy the data and metadata from the existing file system to the new file syste
I. Generate a new TLS certificat
J. Specify the TLS certificate in the replication configuratio
K. When the replication process finishes, fail over to the new encrypted file system.
L. Create a new EFS file system that is encrypted with the KMS customer managed ke
M. Create an Amazon EC2 instance to copy the file
N. Mount the encrypted file system and unencrypted file system on the instanc
O. Copy all data from the unencrypted file system to the encrypted file syste
P. Unmount the unencrypted file system and remove the temporary instance.

Answer: A

NEW QUESTION 98
A company has a web application that is experiencing performance problems many times each night. A root cause analysis reveals sudden increases in CPU utilization that last 5 minutes on an Amazon EC2 Linux instance. A CloudOps engineer must find the process ID (PID) of the service or process that is consuming more CPU.
What should the CloudOps engineer do to collect the process utilization information with the LEAST amount of effort?

A. Configure the Amazon CloudWatch agent procstat plugin to capture CPU process metrics.
B. Configure an AWS Lambda function to run every minute to capture the PID and send a notification.
C. Log in to the EC2 instance each night and run the top command.
D. Use the default Amazon CloudWatch CPUUtilization metric.

Answer: A

NEW QUESTION 101
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 103
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 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 109
A company uses an Amazon Simple Queue Service (Amazon SQS) queue and Amazon EC2 instances in an Auto Scaling group with target tracking for a web application. The company collects the ASGAverageNetworkIn metric but notices that instances do not scale fast enough during peak traffic. There are a large number of SQS messages accumulating in the queue.
A CloudOps engineer must reduce the number of SQS messages during peak periods. Which solution will meet this requirement?

A. Define and use a new custom Amazon CloudWatch metric based on the SQS ApproximateNumberOfMessagesDelayed metric in the target tracking policy.
B. Define and use Amazon CloudWatch metric math to calculate the SQS queue backlog for each instance in the target tracking policy.
C. Define and use step scaling by specifying a ChangeInCapacity value for the EC2 instances.
D. Define and use simple scaling by specifying a ChangeInCapacity value for the EC2 instances.

Answer: B

NEW QUESTION 111
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 116
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 121
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 124
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 125
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 129
Application A runs on Amazon EC2 instances behind a Network Load Balancer (NLB). The EC2 instances are in an Auto Scaling group and are in the same subnet that is associated with the NLB. Other applications from an on-premises environment cannot communicate with Application A on port 8080.
To troubleshoot the issue, a CloudOps engineer analyzes the flow logs. The flow logs include the following records:
? ACCEPT from 192.168.0.13:59003 172.31.16.139:8080
? REJECT from 172.31.16.139:8080 192.168.0.13:59003
What is the reason for the rejected traffic?

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

Answer: D

NEW QUESTION 132
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 136

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 138
A company is using an Amazon Aurora MySQL DB cluster that has point-in-time recovery, backtracking, and automatic backup enabled. A CloudOps engineer needs to roll back the DB cluster to a specific recovery point within the previous 72 hours.
Restores must be completed in the same production DB cluster. Which solution will meet these requirements?

A. Create an Aurora Replic
B. Promote the replica to replace the primary DB instance.
C. Create an AWS Lambda function to restore an automatic backup to the existing DB cluster.
D. Use backtracking to rewind the existing DB cluster to the desired recovery point.
E. Use point-in-time recovery to restore the existing DB cluster to the desired recovery point.

Answer: C

NEW QUESTION 139
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 142
A company runs thousands of Amazon EC2 instances that are based on the Amazon Linux 2 Amazon Machine Image (AMI). A SysOps administrator must implement a solution to record commands and output from any user that needs an interactive session on one of the EC2 instances. The solution must log the data to a durable storage location. The solution also must provide automated notifications and alarms that are based on the log data.
Which solution will meet these requirements with the MOST operational efficiency?

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

Answer: C

NEW QUESTION 143
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 144
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 146
A company is storing backups in an Amazon S3 bucket. The backups must not be deleted for at least 3 months after the backups are created.
What should a CloudOps engineer do to meet this requirement?

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

Answer: B

NEW QUESTION 151
A CloudOps engineer is preparing to deploy an application to Amazon EC2 instances that are in an Auto Scaling group. The application requires dependencies to be installed. Application updates are issued weekly.
The CloudOps engineer needs to implement a solution to incorporate the application updates on a regular basis. The solution also must conduct a vulnerability scan during Amazon Machine Image (AMI) creation.
What is the MOST operationally efficient solution that meets these requirements?

A. Create a script that uses Packer and schedule a cron job.
B. Install the application and dependencies on an EC2 instance and create an AMI.
C. Use EC2 Image Builder with a custom recipe to install the application and dependencies.
D. Invoke the EC2 CreateImage API operation by using an EventBridge scheduled rule.

Answer: C

NEW QUESTION 152
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 156
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