

Amazon-Web-Services

Exam Questions SOA-C03

AWS Certified CloudOps Engineer - Associate



NEW QUESTION 1

A company uses memory-optimized Amazon EC2 instances behind a Network Load Balancer (NLB) to run an application. The company launched the EC2 instances from an AWS-provided Red Hat Enterprise Linux (RHEL) AMI.

A CloudOps engineer must monitor RAM utilization in 5-minute intervals. The CloudOps engineer must ensure that the EC2 instances scale in and out appropriately based on incoming load.

Which solution will meet these requirements?

- A. Configure detailed monitoring for the EC2 instance
- B. Configure the Amazon CloudWatch agent on the EC2 instance
- C. Create an EC2 Auto Scaling group and Auto Scaling policy that is based on the mem_active metric.
- D. Configure detailed monitoring for the EC2 instance
- E. Use the mem_used_percent metric that the detailed monitoring feature provide
- F. Create an IAM role that allows the CloudWatch agent to upload dat
- G. Create an EC2 Auto Scaling group and Auto Scaling policy that is based on the mem_used_percent metric.
- H. Configure basic monitoring for the EC2 instance
- I. Configure the Amazon CloudWatch agent on the EC2 instance
- J. Create an IAM role that allows the CloudWatch agent to upload dat
- K. Create an EC2 Auto Scaling group and Auto Scaling policy that is based on the mem_used_percent metric.
- L. Configure basic monitoring for the EC2 instance
- M. Use the standard mem_used_percent metric for monitorin
- N. Create an EC2 Auto Scaling group and Auto Scaling policy that is based on the mem_used_percent metric.

Answer: C

NEW QUESTION 2

A company uses an AWS Lambda function to process user uploads to an Amazon S3 bucket. The Lambda function runs in response to Amazon S3 PutObject events.

A SysOps administrator needs to set up monitoring for the Lambda function. The SysOps administrator wants to receive a notification through an Amazon Simple Notification Service (Amazon SNS) topic if the function takes more than 10 seconds to process an event.

Which solution will meet this requirement?

- A. Collect Amazon CloudWatch logs for the Lambda functio
- B. Create a metric filter to extract the PostRuntimeExtensionsDuration metric from the log
- C. Create a CloudWatch alarm to publish a notification to the SNS topic when the function runtime exceeds 10 seconds.
- D. Collect Amazon CloudWatch metrics for the Lambda function to extract the function runtim
- E. Create a CloudWatch alarm to publish a notification to the SNS topic when the runtime exceeds 10 seconds.
- F. Configure an Amazon CloudWatch metric filter to capture the runtime of the Lambda functio
- G. Set the function's timeout setting to 10 second
- H. Create an SNS subscription to alert the SysOps administrator if the function times out.
- I. Use Amazon CloudWatch Logs Insights to query Lambda logs for the function runtim
- J. Set up a CloudWatch alarm based on the query resul
- K. Configure Amazon SNS to send notifications when function runtime exceeds 10 seconds.

Answer: B

NEW QUESTION 3

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 4

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 5

A company uses AWS Organizations to manage a set of AWS accounts. The company has set up organizational units (OUs) in the organization. An application OU supports various applications.

A CloudOps engineer must prevent users from launching Amazon EC2 instances that do not have a CostCenter-Project tag into any account in the application OU. The restriction must apply only to accounts in the application OU.

Which solution will meet these requirements?

- A. Create an IAM group that has a policy that allows the ec2:RunInstances action when the CostCenter-Project tag is presen

- B. Place all IAM users who need access to the application accounts in the IAM group.
- C. Create a service control policy (SCP) that denies the ec2:RunInstances action when the CostCenter-Project tag is missing.
- 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 present.
- 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 missing.
- H. Attach the SCP to the root OU.

Answer: B

NEW QUESTION 6

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

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

- A. Launch a new Amazon EC2 instance.
- 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 Saturday.
- 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 Saturday.
- G. Configure the step to publish a message to an SNS topic.

Answer: B

NEW QUESTION 7

A company runs several workloads on AWS. The company identifies five AWS Trusted Advisor service quota metrics to monitor in a specific AWS Region. The company wants to receive email notifications each time resource usage exceeds 60% of one of the service quotas.

Which solution will meet these requirements?

- A. Create five Amazon CloudWatch alarms, one for each Trusted Advisor service quota metric.
- B. Configure an Amazon Simple Notification Service (Amazon SNS) topic for email notification each time that usage exceeds 60% of one of the service quotas.
- C. Create five Amazon CloudWatch alarms, one for each Trusted Advisor service quota metric.
- D. Configure an Amazon Simple Queue Service (Amazon SQS) queue for email notification.
- E. Use the AWS Health Dashboard to monitor each Trusted Advisor service quota metric.
- F. Configure an Amazon SQS queue for email notification.
- G. Use the AWS Health Dashboard to monitor each Trusted Advisor service quota metric.
- H. Configure an Amazon SNS topic for email notification.

Answer: A

NEW QUESTION 8

A company applies user-defined tags to AWS resources. Twenty days after applying the tags, the company notices that the tags cannot be used to filter views in the AWS Cost Explorer console.

What is the reason for this issue?

- A. It takes at least 30 days before tags can be used in Cost Explorer.
- B. The company has not activated the user-defined tags for cost allocation.
- C. The company has not created an AWS Cost and Usage Report.
- D. The company has not created a usage budget in AWS Budgets.

Answer: B

NEW QUESTION 9

A company 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 each.
- B. Use a Systems Manager Run Command document to download and install the package.
- C. Run each batch one time.
- D. Use an AWS Lambda function to automatically run a Systems Manager Run Command document.
- E. Set reserved concurrency for the Lambda function to 30.
- F. Use a Systems Manager Run Command document to download and install the package. Use rate control to set concurrency to 30. Specify the target by using the user-defined tag.
- G. Use a parallel workflow state in AWS Step Function.
- H. Set the number of parallel states to 30.

Answer: C

NEW QUESTION 10

An 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 monitoring.

- 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 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 13

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

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

Answer: A

NEW QUESTION 17

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

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

Answer: B

NEW QUESTION 18

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 20

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 23

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 28

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 33

A company needs to enforce tagging requirements for Amazon DynamoDB tables in its AWS accounts. A CloudOps engineer must implement a solution to identify and remediate all DynamoDB tables that do not have the appropriate tags.

Which solution will meet these requirements with the LEAST operational overhead?

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

Answer: C

NEW QUESTION 36

An AWS Lambda function is intermittently failing several times a day. A CloudOps engineer must find out how often this error occurred in the last 7 days.

Which action will meet this requirement in the MOST operationally efficient manner?

- A. Use Amazon Athena to query the Amazon CloudWatch logs that are associated with the Lambda function.
- B. Use Amazon Athena to query the AWS CloudTrail logs that are associated with the Lambda function.
- C. Use Amazon CloudWatch Logs Insights to query the associated Lambda function logs.
- D. Use Amazon OpenSearch Service to stream the Amazon CloudWatch logs for the Lambda function.

Answer: C

NEW QUESTION 40

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 43

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 47

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 50

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 53

A CloudOps engineer creates a new VPC that includes a public subnet and a private subnet. The CloudOps engineer successfully launches 11 Amazon EC2 instances in the private subnet. The CloudOps engineer attempts to launch one more EC2 instance in the same subnet but receives an error stating that not enough free IP addresses are available. What must the CloudOps engineer do to deploy more EC2 instances?

- A. Edit the private subnet to change the CIDR block to /27.
- B. Edit the private subnet to extend across a second Availability Zone.
- C. Assign additional Elastic IP addresses to the private subnet.
- D. Create a new private subnet to hold the required EC2 instances.

Answer: D

NEW QUESTION 58

A company's security policy requires incoming SSH traffic to be restricted to a defined set of addresses. The company is using an AWS Config rule to check whether security groups allow unrestricted incoming SSH traffic.

A CloudOps engineer discovers a noncompliant resource and fixes the security group manually. The CloudOps engineer wants to automate the remediation of other noncompliant resources.

What is the MOST operationally efficient solution that meets these requirements?

- A. Create a CloudWatch alarm for the AWS Config rule and invoke a Lambda function to remediate.
- B. Configure an automatic remediation action on the AWS Config rule using AWS- DisableIncomingSSHOnPort22.
- C. Create an EventBridge rule for AWS Config events and invoke a Lambda function.
- D. Run a scheduled Lambda function to inspect and remediate security groups.

Answer: B

NEW QUESTION 61

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

A developer modifies the Lambda function to require the function to publish messages to an Amazon Simple Queue Service (Amazon SQS) queue. After these changes, the Lambda function times out when it tries to publish messages to the SQS queue.

Which solutions will resolve this issue? (Select TWO.)

- A. Reconfigure the Lambda function so that the function is not connected to the VPC.
- B. Deploy an RDS proxy

- C. Configure the Lambda function to connect to the DB instance through the proxy.
- D. Deploy a NAT gateway
- E. Update the private subnet's route table to route all traffic to the NAT gateway.
- F. Create an interface VPC endpoint for Amazon SQS in the VPC.
- G. Create a gateway endpoint for Amazon SQS in the VPC.

Answer: CD

NEW QUESTION 65

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 68

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 69

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 70

A company uses AWS Organizations to manage its AWS environment. The company implements a process that uses prebuilt Amazon Machine Images (AMIs) to launch instances as a security measure. All AMIs are tagged automatically with a key named ApprovedAMI.

The company wants to ensure that employees can use only the approved prebuilt AMIs to launch new instances.

Which solution will meet this requirement?

- A. Implement a tag policy for the company's organization to require users to set the ApprovedAMI tag to launch new EC2 instances.
- B. Implement an IAM policy that includes an aws:ResourceTag/ApprovedAMI condition.
- C. Set up an AWS Config required-tags rule to prevent users from launching any nonapproved AMIs.
- D. Use Amazon GuardDuty to constantly monitorDefenseEvasion:EC2/UnusualDoHActivity findings.

Answer: B

NEW QUESTION 75

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 79

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 83

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 86

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 89

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 92

A company uses multiple Amazon RDS databases to support an application. The application receives all its traffic during weekdays and is idle during weekends.

The company wants a solution to automatically manage the RDS DB instances during idle periods to optimize costs.

Which solution will meet these requirements?

- A. Use a cron job to automatically scale down the RDS DB instance type during weekends.
- B. Configure Instance Scheduler on AWS to stop the RDS DB instances at the beginning of each weekend and to start the instances at the end of each weekend.
- C. Purchase Reserved Instances for the RDS DB instances.
- D. Use the auto scaling feature of Amazon RDS to automatically adjust the DB instance type based on CPU utilization.

Answer: B

NEW QUESTION 97

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 100

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