

Exam Questions SOA-C03

AWS Certified CloudOps Engineer - Associate

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NEW QUESTION 1

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 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 present.
- 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 4

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 5

A company has a new security policy that requires all Amazon Elastic Block Store (Amazon EBS) volumes to be encrypted at rest. The company needs to use a custom key policy to manage access to the encryption keys. The company must rotate the keys once each year.

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

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

Answer: A

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 account
- 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 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 9

A company moves workloads from public subnets to private subnets to improve security. During testing, servers in the private subnets cannot reach an external API. The VPC has a CIDR block of 10.0.0.0/16, two public subnets, two private subnets, one internet gateway, and a NAT gateway in each private subnet.

The company must ensure that workloads in the private subnets can reach the external API.

Which solution will meet this requirement?

- A. Deploy an outbound-only internet gateway and update route tables.
- B. Create an Amazon API Gateway HTTP API as a proxy.
- C. Deploy a NAT gateway in each public subnet and update private subnet route tables.
- D. Create a VPC interface endpoint and update route tables.

Answer: C

NEW QUESTION 10

A company must ensure that all Amazon EC2 Windows instances that are launched in an AWS account have a third-party agent installed. The company uses AWS Systems Manager, and the Windows instances are tagged appropriately. The company must deploy periodic updates to the third-party agent when the updates become available.

Which combination of steps will meet these requirements with the LEAST operational effort? (Select TWO.)

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

Answer: AE

NEW QUESTION 10

A CloudOps engineer creates an AWS CloudFormation template to define an application stack that can be deployed in multiple AWS Regions. The CloudOps engineer also creates an Amazon CloudWatch dashboard by using the AWS Management Console. Each deployment of the application requires its own

CloudWatch dashboard.

How can the CloudOps engineer automate the creation of the CloudWatch dashboard each time the application is deployed?

- A. Create a script by using the AWS CLI to run the `aws cloudformation put-dashboard` command with the name of the dashboard
- B. Run the command each time a new CloudFormation stack is created.
- C. Export the existing CloudWatch dashboard as JSON
- D. Update the CloudFormation template to define an `AWS::CloudWatch::Dashboard` resource
- E. Include the exported JSON in the resource's `DashboardBody` property.
- F. Update the CloudFormation template to define an `AWS::CloudWatch::Dashboard` resource
- G. Use the intrinsic `Ref` function to reference the ID of the existing CloudWatch dashboard.
- H. Update the CloudFormation template to define an `AWS::CloudWatch::Dashboard` resource
- I. Specify the name of the existing dashboard in the `DashboardName` property.

Answer: B

NEW QUESTION 14

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 17

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 Region
- 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 Region
- 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 routing
- G. Specify the Regions that are used for the infrastructure.
- H. Configure Route 53 simple routing
- I. Specify the continent, country, and state or province that are used for the infrastructure.

Answer: AD

NEW QUESTION 22

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 27

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. The solution also must 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. Restore the backup when necessary.
- D. Create a read replica in a second Availability Zone
- E. Enable Multi-AZ for the ElastiCache (Redis OSS) replication group.
- F. Enable automatic backup
- G. Restore the backups when necessary.

Answer: C

NEW QUESTION 30

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 32

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 36

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 38

A company operates compute resources in a VPC and in the company's on-premises data center. The company already has an AWS Direct Connect connection between the VPC and the on-premises data center.
A CloudOps engineer needs to ensure that Amazon EC2 instances in the VPC can resolve DNS names for hosts in the on-premises data center.
Which solution will meet this requirement with the LEAST amount of ongoing maintenance?

- A. Create an Amazon Route 53 private hosted zone
- B. Populate the zone with the hostnames and IP addresses of the hosts in the on-premises data center.
- C. Create an Amazon Route 53 Resolver outbound endpoint
- D. Add the IP addresses of an on-premises DNS server for the domain names that need to be forwarded.
- E. Set up a forwarding rule for reverse DNS queries in Amazon Route 53 Resolver
- F. Set the enableDnsHostnames attribute to true for the VPC.
- G. Add the hostnames and IP addresses for the on-premises hosts to the /etc/hosts file of each EC2 instance.

Answer: B

NEW QUESTION 41

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 AMI
- B. Specify the destination S3 bucket
- C. Set the launch permissions to implicit.
- D. Archive the snapshot that is associated with the AMI
- E. Specify the S3 bucket as the archive destination.
- F. Create a store image task
- G. Specify the image ID and the destination S3 bucket.
- H. Use the AWS CLI copy-image command
- I. Specify the image ID and the destination S3 bucket.

Answer: C

NEW QUESTION 45

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 subnet
- B. Update the security group to allow inbound SSH traffic
- 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 48

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 53

A CloudOps engineer is creating a simple, public-facing website running on Amazon EC2. The CloudOps engineer created the EC2 instance in an existing public subnet and assigned an Elastic IP address. The CloudOps engineer created a new security group that allows incoming HTTP traffic from 0.0.0.0/0. The CloudOps engineer also created a new network ACL and applied it to the subnet to allow incoming HTTP traffic from 0.0.0.0/0. However, the website cannot be reached from the internet.

What is the cause of this issue?

- A. The CloudOps engineer did not create an outbound rule that allows ephemeral port return traffic in the new network ACL.
- B. The CloudOps engineer did not create an outbound rule in the security group that allows HTTP traffic from port 80.
- C. The Elastic IP address assigned to the EC2 instance has changed.
- D. There is an additional network ACL associated with the subnet that denies inbound HTTP traffic.

Answer: A

NEW QUESTION 54

A company asks a SysOps administrator to provision an additional environment for an application in four additional AWS Regions. The application is running on more than 100 Amazon EC2 instances in the us-east-1 Region, using fully configured Amazon Machine Images (AMIs). The company has an AWS CloudFormation template to deploy resources in us-east-1.

What should the SysOps administrator do to provision the application in the MOST operationally efficient manner?

- A. Copy the AMI to each Region by using the `aws ec2 copy-image` comman
- B. Update the CloudFormation template to include mappings for the copied AMIs.
- C. Create a snapshot of the running instanc
- D. Copy the snapshot to the other Region
- E. Create an AMI from the snapshot
- F. Update the CloudFormation template for each Region to use the new AMI.
- G. Run the existing CloudFormation template in each additional Region based on the success of the template that is used currently in us-east-1.
- H. Update the CloudFormation template to include the additional Regions in the Auto Scaling grou
- I. Update the existing stack in us-east-1.

Answer: A

NEW QUESTION 56

A SysOps administrator must load test a new Amazon CloudFront distribution to assess data transfer and latency performance. Which solution will meet this requirement?

- A. Send client requests from a single geographic regio
- B. Configure the load test so that each client makes an identical DNS reques
- C. Focus the client requests on the IP address that the DNS returns.
- D. Send client requests from a single geographic regio
- E. Configure the load test so that each client makes an independent DNS reques
- F. Spread the client requests across the set of IP addresses that the DNS returns.
- G. Send client requests from multiple geographic region
- H. Configure the load test so that each client makes an identical DNS reques
- I. Focus the client requests on the IP address that the DNS returns.
- J. Send client requests from multiple geographic region
- K. Configure the load test so that each client makes an independent DNS reques
- L. Spread the client requests across the set of IP addresses that the DNS returns.

Answer: D

NEW QUESTION 59

A company uses AWS CloudFormation to manage a stack of Amazon EC2 instances. A CloudOps engineer needs to keep the EC2 instances and their data even if the stack is deleted.

Which solution will meet these requirements?

- A. Set the DeletionPolicy attribute to Snapshot.
- B. Use Amazon Data Lifecycle Manager (DLM).
- C. Create an AWS Backup plan.
- D. Set the DeletionPolicy attribute to Retain.

Answer: D

NEW QUESTION 61

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 62

A company needs to upload gigabytes of files daily to Amazon S3 and requires higher throughput and faster upload speeds.

Which action should a CloudOps engineer take?

- A. Create an Amazon CloudFront distribution with the GET HTTP method allowed and the S3 bucket as an origin.
- B. Create an Amazon ElastiCache cluster and enable caching for the S3 bucket.
- C. Set up AWS Global Accelerator and configure it with the S3 bucket.
- D. Enable S3 Transfer Acceleration and use the acceleration endpoint when uploading files.

Answer: D

NEW QUESTION 63

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 account
- 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 account
- D. Create a Systems Manager Run Command that attaches the AmazonSSMServiceRolePolicy IAM policy to every IAM role that the EC2 instances use
- 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 role
- 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 attached
- I. Use the organization's management account to deploy the stack set to every account in the organization.

Answer: A

NEW QUESTION 68

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 73

A company uses a large number of Linux-based Amazon EC2 instances to run business operations. The company uses AWS Systems Manager to manage the EC2 instances. The company wants to ensure that the Systems Manager Agent (SSM Agent) is always up to date with the latest version.

Which solution will meet this requirement in the MOST operationally efficient way?

- A. Enable the Auto update SSM Agent setting in Systems Manager Fleet Manager.
- B. Subscribe to SSM Agent GitHub notifications and use Lambda to update agents.
- C. Enable the Auto update SSM Agent setting in Systems Manager Patch Manager.
- D. Use GitHub notifications and a Systems Manager Automation document.

Answer: A

NEW QUESTION 77

A company has created a new video-on-demand (VOD) application. The application runs on a fleet of Amazon EC2 instances behind an Application Load Balancer (ALB). The company configured an Amazon CloudFront distribution and set the ALB as the origin. Because of increasing application demand, the company wants to move all video files to a central Amazon S3 bucket.

A SysOps administrator needs to ensure that video files can be cached at edge locations after the company migrates the files to Amazon S3. Which solution will meet this requirement?

- A. Configure CloudFront to send the X-Forwarded-For header to the origin and to redirect video requests to Amazon S3 instead of the ALB.
- B. Configure a new CloudFront cache behavior to route to Amazon S3 as a new origin, based on matching a URL path pattern.
- C. Configure URL signing in the CloudFront distribution by using a custom policy.
- D. Ensure that video files are accessed through signed URLs only.
- E. Configure a CloudFront origin group.
- F. Specify the required HTTP status codes to direct connection attempts to a secondary origin.

Answer: B

NEW QUESTION 80

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 monitor `DefenseEvasion:EC2/UnusualDoHActivity` findings.

Answer: B

NEW QUESTION 84

A CloudOps engineer is troubleshooting an implementation of Amazon CloudWatch Synthetics. The CloudWatch Synthetics results must be sent to an Amazon S3 bucket.

The CloudOps engineer has copied the configuration of an existing canary that runs on a VPC that has an internet gateway attached. However, the CloudOps engineer cannot get the canary to successfully start on a private VPC that has no internet access.

What should the CloudOps engineer do to successfully run the canary on the private VPC?

- A. Ensure that the DNS resolution option and the DNS hostnames option are turned on in the VPC.
- B. Add the `synthetics:GetCanaryRuns` permission to the VPC.
- C. On the S3 bucket, add the `IgnorePublicAcls` permission to the CloudWatch Synthetics role.
- D. Ensure that the DNS resolution option and the DNS hostnames option are turned off in the VPC.
- E. Create a gateway VPC endpoint for Amazon S3. Add the permissions to allow CloudWatch Synthetics to use the S3 endpoint.
- F. Ensure that the DNS resolution option and the DNS hostnames option are turned off in the VPC.
- G. Add a security group to the canary to allow outbound traffic on the DNS port.
- H. Add the permissions to allow CloudWatch Synthetics to write to the S3 bucket.
- I. Ensure that the DNS resolution option and the DNS hostnames option are turned on in the VPC.
- J. Create an interface VPC endpoint for CloudWatch Synthetics.
- K. Create a gateway VPC endpoint for Amazon S3. Add the permissions to allow CloudWatch Synthetics to use both endpoints.

Answer: D

NEW QUESTION 87

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 89

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 91

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 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. Assign PowerUserAccess to administrators.
- D. Create a Systems Manager endpoint in the private subne
- E. Update the security group to allow SSH traffic from the endpoint networ
- F. Assign PowerUserAccess.
- G. Create an EC2 Instance Connect endpoint in the public subne
- H. Update the security group to allow SSH traffic from the private networ
- I. Assign PowerUserAccess.
- J. Create a Systems Manager endpoint in the public subne
- K. Create an IAM role with AmazonSSMManagedInstanceCore for the EC2 instanc
- L. Assign AmazonEC2ReadOnlyAccess to administrators.

Answer: A

NEW QUESTION 95

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 97

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 101

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 104

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 109

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