

Exam Questions SOA-C03

AWS Certified CloudOps Engineer - Associate

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NEW QUESTION 1

A company runs custom statistical analysis software on a cluster of Amazon EC2 instances. The software is highly sensitive to network latency between nodes, although network throughput is not a limitation.

Which solution will minimize network latency?

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

Answer: A

NEW QUESTION 2

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 3

A company is running an application on premises and wants to use AWS for data backup. All of the data must be available locally. The backup application can write only to block- based storage that is compatible with the Portable Operating System Interface (POSIX).

Which backup solution will meet these requirements?

- A. Configure the backup software to use Amazon S3 as the target for the data backups.
- B. Configure the backup software to use Amazon S3 Glacier Flexible Retrieval as the target for the data backups.
- C. Use AWS Storage Gateway, and configure it to use gateway-cached volumes.
- D. Use AWS Storage Gateway, and configure it to use gateway-stored volumes.

Answer: D

NEW QUESTION 4

A company hosts a static website in an Amazon S3 bucket, accessed globally via Amazon CloudFront. The Cache-Control max-age header is set to 1 hour, and Maximum TTL is set to 5 minutes. The CloudOps engineer observes that CloudFront is not caching objects for the expected duration.

What is the reason for this issue?

- A. The Expires header has been set to 3 hours.
- B. Cached assets are not expiring in the edge location.
- C. Cache invalidation is missing in the CloudFront configuration.
- D. Cache-duration settings conflict with each other.

Answer: D

NEW QUESTION 5

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 6

A CloudOps engineer needs to ensure that AWS resources across multiple AWS accounts are tagged consistently. The company uses an organization in AWS Organizations to centrally manage the accounts. The company wants to implement cost allocation tags to accurately track the costs that are allocated to each business unit.

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

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

Answer: A

NEW QUESTION 7

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 launch
- 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 launch
- 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 8

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

What is the reason for this issue?

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

Answer: B

NEW QUESTION 9

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

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

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

Answer: A

NEW QUESTION 10

A company runs a business application on more than 300 Linux-based instances. Each instance has the AWS Systems Manager Agent (SSM Agent) installed. The company expects the number of instances to grow in the future. All business application instances have the same user-defined tag.

A CloudOps engineer wants to run a command on all the business application instances to download and install a package from a private repository. To avoid overwhelming the repository, the CloudOps engineer wants to ensure that no more than 30 downloads occur at one time.

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

- A. Use a secondary tag to create 10 batches of 30 instances eac
- B. Use a Systems Manager Run Command document to download and install the packag
- C. Run each batch one time.
- D. Use an AWS Lambda function to automatically run a Systems Manager Run Command documen
- E. Set reserved concurrency for the Lambda function to 30.
- F. Use a Systems Manager Run Command document to download and install the package. Use rate control to set concurrency to 30. Specify the target by using the user-defined tag.
- G. Use a parallel workflow state in AWS Step Function
- H. Set the number of parallel states to 30.

Answer: C

NEW QUESTION 10

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 policy.
- C. Choose the Alias to S3 website endpoint option.
- 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 buckets.
- F. Ensure users use the new S3 access point.
- G. Configure and activate S3 Transfer Acceleration on the S3 bucket.
- H. Use the new S3 acceleration endpoint's domain name for access.

Answer: D

NEW QUESTION 15

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 services.
- 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 20

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 25

A company is using an Amazon Aurora MySQL DB cluster that has point-in-time recovery, backtracking, and automatic backups enabled. A CloudOps engineer needs to be able 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 Replica.
- 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 27

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 30

A company's developers manually install software modules on Amazon EC2 instances to deploy new versions of a service. A security audit finds that instances contain inconsistent and unapproved modules.

A CloudOps engineer must create a new instance image that contains only approved software.

Which solution will meet these requirements?

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

Answer: D

NEW QUESTION 33

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 38

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 40

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 41

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 43

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 48

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 51

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 document
- 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 54

A company runs an application on Amazon EC2 instances behind an Elastic Load Balancer (ELB) in an Auto Scaling group. The application performs well except during a 2-hour period of daily peak traffic, when performance slows.

A CloudOps engineer must resolve this issue with minimal operational effort. What should the engineer do?

- A. Adjust the minimum capacity of the Auto Scaling group to the size required to meet the increased demand during the 2-hour period.
- B. Adjust the launch template that is associated with the Auto Scaling group to be more sensitive to increases in user traffic.
- C. Create a scheduled scaling action to scale out the number of EC2 instances shortly before the increase in user traffic occurs.
- D. Manually add a few more EC2 instances to the Auto Scaling group to support the increase in user traffic
- E. Enable instance scale-in protection on the Auto Scaling group.

Answer: C

NEW QUESTION 59

A company has an AWS CloudFormation template that includes an AWS::EC2::Instance resource and a custom resource (Lambda function). The Lambda function fails because it runs before the EC2 instance is launched.

Which solution will resolve this issue?

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

Answer: A

NEW QUESTION 61

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 64

A company runs a web application on three Amazon EC2 instances behind an Application Load Balancer (ALB). The company notices that random periods of increased traffic cause a degradation in the application's performance.

A CloudOps engineer must scale the application to meet the increased traffic. Which solution meets these requirements?

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

Answer: C

NEW QUESTION 68

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

Answer: A

NEW QUESTION 70

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

Which solution will meet these requirements?

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

Answer: A

NEW QUESTION 72

A company is migrating its production file server to AWS. All data stored on the file server must remain accessible if an Availability Zone becomes unavailable or during system maintenance. Users must access the file server through the SMB protocol and manage permissions by using Windows ACLs.

Which solution will meet these requirements?

- A. Create a single AWS Storage Gateway file gateway.
- B. Create an Amazon FSx for Windows File Server Multi-AZ file system.
- C. Deploy two AWS Storage Gateway file gateways in two Availability Zones behind an Application Load Balancer.
- D. Deploy two Amazon FSx for Windows File Server Single-AZ file systems and configure DFS Replication.

Answer: B

NEW QUESTION 73

A web application runs on Amazon EC2 instances in the us-east-1 Region and the us-west-2 Region. The instances run behind an Application Load Balancer (ALB) in each Region. An Amazon Route 53 hosted zone controls DNS records.

The instances in us-east-1 are production resources. The instances in us-west-2 are for disaster recovery. EC2 Auto Scaling groups are configured based on the ALBRequestCountPerTarget metric in both Regions.

A SysOps administrator must implement a solution that provides failover from us-east-1 to us-west-2. The instances in us-west-2 must be used only for failover. Which solution will meet these requirements?

- A. Implement a Route 53 health check and a failover routing policy for the hosted zone.
- B. Configure the failover routing policy to automatically redirect traffic to the resources in us-west-2.
- C. Implement a Route 53 health check and a latency routing policy for the hosted zone.
- D. Configure the latency routing policy to automatically redirect traffic to the resources in us-west-2.
- E. In us-east-1, create an Amazon CloudWatch alarm that enters ALARM state when an EC2 instance is terminated.
- F. In us-west-2, create an AWS Lambda function that modifies the Route 53 hosted zone records to send traffic to us-west-2. Configure the CloudWatch alarm to invoke the Lambda function.
- G. In us-west-2, create an Amazon CloudWatch alarm that enters ALARM state when resources in us-east-1 cannot be resolved.
- H. In us-west-2, create an AWS Lambda function that modifies the Route 53 hosted zone records to send traffic to us-west-2. Configure the CloudWatch alarm to invoke the Lambda function.

Answer: A

NEW QUESTION 75

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 77

A company plans to host an application on Amazon EC2 instances distributed across multiple Availability Zones. The application must scale to millions of requests per second and handle sudden and volatile traffic patterns. The solution must use a single static IP address per Availability Zone.

Which solution will meet these requirements?

- A. Amazon Simple Queue Service (Amazon SQS)
- B. Application Load Balancer
- C. AWS Global Accelerator
- D. Network Load Balancer

Answer: C

NEW QUESTION 79

A company runs an application on an Amazon EC2 instance. The application uses a MySQL database. The EC2 instance has a General Purpose SSD (gp3) Amazon EBS volume attached. The company wants to perform load testing using a new MySQL database created from an EBS snapshot of the production instance. The new database must perform as similarly as possible to production.

Which solution will meet these requirements in the LEAST amount of time?

- A. Use Amazon EBS fast snapshot restore (FSR) to create a new General Purpose SSD volume from the production snapshot.
- B. Use Amazon EBS fast snapshot restore (FSR) to create a new Provisioned IOPS SSD volume from the production snapshot.
- C. Use Amazon EBS standard snapshot restore to create a new General Purpose SSD volume from the production snapshot.
- D. Use Amazon EBS standard snapshot restore to create a new Provisioned IOPS SSD volume from the production snapshot.

Answer: A

NEW QUESTION 82

A company has an on-premises DNS solution and wants to resolve DNS records in an Amazon Route 53 private hosted zone for example.com. The company has set up an AWS Direct Connect connection for network connectivity between the on-premises network and the VPC. A CloudOps engineer must ensure that an on-premises server can query records in the example.com domain.

What should the CloudOps engineer do to meet these requirements?

- A. Create a Route 53 Resolver inbound endpoint
- B. Attach a security group to the endpoint to allow inbound traffic on TCP/UDP port 53 from the on-premises DNS servers.
- C. Create a Route 53 Resolver inbound endpoint
- D. Attach a security group to the endpoint to allow outbound traffic on TCP/UDP port 53 to the on-premises DNS servers.
- E. Create a Route 53 Resolver outbound endpoint
- F. Attach a security group to the endpoint to allow inbound traffic on TCP/UDP port 53 from the on-premises DNS servers.
- G. Create a Route 53 Resolver outbound endpoint
- H. Attach a security group to the endpoint to allow outbound traffic on TCP/UDP port 53 to the on-premises DNS servers.

Answer: A

NEW QUESTION 83

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 instance
- 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 group
- I. Update the existing stack in us-east-1.

Answer: A

NEW QUESTION 86

A CloudOps engineer needs to track the costs of data transfer between AWS Regions. The CloudOps engineer must implement a solution to send alerts to an email distribution list when transfer costs reach 75% of a specific threshold.

What should the CloudOps engineer do to meet these requirements?

- A. Create an AWS Cost and Usage Report
- B. Analyze the results in Amazon Athena
- C. Configure an alarm to publish a message to an Amazon Simple Notification Service (Amazon SNS) topic when costs reach 75% of the threshold
- D. Subscribe the email distribution list to the topic.
- E. Create an Amazon CloudWatch billing alarm to detect when costs reach 75% of the threshold
- F. Configure the alarm to publish a message to an Amazon Simple Notification Service (Amazon SNS) topic
- G. Subscribe the email distribution list to the topic.
- H. Use AWS Budgets to create a cost budget for data transfer cost
- I. Set an alert at 75% of the budgeted amount
- J. Configure the budget to send a notification to the email distribution list when costs reach 75% of the threshold.
- K. Set up a VPC flow log
- L. Set up a subscription filter to an AWS Lambda function to analyze data transfer
- M. Configure the Lambda function to send a notification to the email distribution list when costs reach 75% of the threshold.

Answer: C

NEW QUESTION 88

A company runs a high performance computing (HPC) data-processing application on Amazon EC2 instances in one Availability Zone within a development environment. The application uses a dataset that the company stores on an Amazon S3 general purpose bucket in the same AWS Region as the EC2 instances.

A SysOps administrator must improve the application's performance for retrieval of objects from Amazon S3.

Which solution will meet these requirements?

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

Answer: D

NEW QUESTION 90

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 intervals
- F. Attach the resource groups to the patch policy.
- G. Create resource group
- H. Add the existing instances to the resource group
- I. Create an Amazon EventBridge rule that uses an appropriately defined filter to add new instances to the resource group
- J. Attach the resource groups to the patch policy.

Answer: A

NEW QUESTION 92

A company maintains a list of 75 approved Amazon Machine Images (AMIs) that can be used across an organization in AWS Organizations. The company's development team has been launching Amazon EC2 instances from unapproved AMIs.

A SysOps administrator must prevent users from launching EC2 instances from unapproved AMIs.

Which solution will meet this requirement?

- A. Add a tag to the approved AMI
- B. Create an IAM policy that includes a tag condition that allows users to launch EC2 instances from only the tagged AMIs.
- C. Create a service-linked role
- D. Attach a policy that denies the ability to launch EC2 instances from a list of unapproved AMI
- E. Assign the role to users.
- F. Use AWS Config with an AWS Lambda function to check for EC2 instances that are launched from unapproved AMI
- G. Program the Lambda function to send an Amazon Simple Notification Service (Amazon SNS) message to the SysOps administrator to terminate those EC2 instances.
- H. Use AWS Trusted Advisor to check for EC2 instances that are launched from unapproved AMI
- I. Configure Trusted Advisor to invoke an AWS Lambda function to terminate those EC2 instances.

Answer: A

NEW QUESTION 93

A company's ecommerce application is running on Amazon EC2 instances that are behind an Application Load Balancer (ALB). The instances are in an Auto Scaling group. Customers report that the website is occasionally down. When the website is down, it returns an HTTP 500 (server error) status code to customer browsers.

The Auto Scaling group's health check is configured for EC2 status checks, and the instances appear healthy.

Which solution will resolve the problem?

- A. Replace the ALB with a Network Load Balancer.
- B. Add Elastic Load Balancing (ELB) health checks to the Auto Scaling group.
- C. Update the target group configuration on the AL
- D. Enable session affinity (sticky sessions).
- E. Install the Amazon CloudWatch agent on all instance
- F. Configure the agent to reboot the instances.

Answer: B

NEW QUESTION 98

A CloudOps engineer is maintaining a web application that uses an Amazon CloudFront web distribution, an Application Load Balancer (ALB), Amazon RDS, and Amazon EC2 in a VPC. All services have logging enabled. The CloudOps engineer needs to investigate HTTP Layer 7 status codes from the web application.

Which log sources contain the status codes? (Select TWO.)

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

Answer: CD

NEW QUESTION 99

A company hosts a static website on Amazon S3. An Amazon CloudFront distribution presents this site to global users. The company uses the Managed-CachingDisabled CloudFront cache policy. The company's developers confirm that they frequently update a file in Amazon S3 with new information.

Users report that the website presents correct information when the website first loads the file. However, the users' browsers do not retrieve the updated file after a refresh.

What should a SysOps administrator recommend to fix this issue?

- A. Add a Cache-Control header field with max-age=0 to the S3 object.
- B. Change the CloudFront cache policy to Managed-CachingOptimized.
- C. Disable bucket versioning in the S3 bucket configuration.
- D. Enable content compression in the CloudFront configuration.

Answer: A

NEW QUESTION 100

A company requires the rotation of administrative credentials for production workloads on a regular basis. A CloudOps engineer must implement this policy for an Amazon RDS DB instance's master user password.

Which solution will meet this requirement with the LEAST operational effort?

- A. Create an AWS Lambda function to change the RDS master user password
- B. Create an Amazon EventBridge scheduled rule to invoke the Lambda function.
- C. Create a new SecureString parameter in AWS Systems Manager Parameter Store
- D. Encrypt the parameter with an AWS Key Management Service (AWS KMS) key
- E. Configure automatic rotation.
- F. Create a new String parameter in AWS Systems Manager Parameter Store
- G. Configure automatic rotation.
- H. Create a new RDS database secret in AWS Secrets Manager
- I. Apply the secret to the RDS DB instance
- J. Configure automatic rotation.

Answer: D

NEW QUESTION 102

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 103

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 account
- B. Deploy the template in each of the accounts.
- C. Create an AWS Lambda function to assume a role in each account
- 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 105

A company hosts an FTP server on EC2 instances. AWS Security Hub sends findings to Amazon EventBridge when the FTP port becomes publicly exposed in attached security groups.

A CloudOps engineer needs an automated, event-driven remediation solution to remove public access from security groups.

Which solution will meet these requirements?

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

Answer: D

NEW QUESTION 107

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 109

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

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

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

Answer: A

NEW QUESTION 113

A CloudOps engineer has created an AWS Service Catalog portfolio and shared it with a second AWS account in the company, managed by a different CloudOps engineer.

Which action can the CloudOps engineer in the second account perform?

- A. Add a product from the imported portfolio to a local portfolio.
- B. Add new products to the imported portfolio.
- C. Change the launch role for the products contained in the imported portfolio.
- D. Customize the products in the imported portfolio.

Answer: A

NEW QUESTION 118

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 120

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 121

A company hosts a static website in Amazon S3 behind an Amazon CloudFront distribution. When new versions are deployed, users sometimes do not see updated content immediately. Which solution will meet this requirement?

- A. Configure the CloudFront distribution to add a custom Cache-Control header to requests for content from the S3 bucket.
- B. Modify the distribution settings to specify the protocol as HTTPS only.
- C. Attach the CachingOptimized managed cache policy to the distribution.
- D. Create a CloudFront invalidation.

Answer: D

NEW QUESTION 126

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 VP
- B. Add the synthetics:GetCanaryRuns permission to the VP
- 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 VP
- 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 VP
- G. Add a security group to the canary to allow outbound traffic on the DNS por
- 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 VP
- J. Create an interface VPC endpoint for CloudWate
- K. Create a gateway VPC endpoint for Amazon S3. Add the permissions to allow CloudWatch Synthetics to use both endpoints.

Answer: D

NEW QUESTION 129

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 133

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 gateway
- D. Associate the NAT gateway with the subnet where the Lambda function is configured to run.
- E. Create an S3 interface endpoint
- F. Change the Lambda function to use the new S3 DNS name.

Answer: D

NEW QUESTION 137

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 141

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 146

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 150

A company is storing backups in an Amazon S3 bucket. These backups must not be deleted for at least 3 months after creation.

What should the CloudOps engineer do?

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

Answer: B

NEW QUESTION 151

A user working in the Amazon EC2 console increased the size of an Amazon Elastic Block Store (Amazon EBS) volume attached to an Amazon EC2 Windows instance. The change is not reflected in the file system.

What should a CloudOps engineer do to resolve this issue?

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

Answer: A

NEW QUESTION 153

A media company hosts a public news and video portal on AWS. The portal uses an Amazon DynamoDB table with provisioned capacity to maintain an index of video files that are stored in an Amazon S3 bucket. During a recent event, millions of visitors came to the portal for news. This increase in traffic caused read requests to be throttled in the DynamoDB table. Videos could not be displayed in the portal. The company's operations team manually increased the provisioned capacity on a temporary basis to meet the demand. The company wants the operations team to receive an alert before the table is throttled in the future. The company has created an Amazon Simple Notification Service (Amazon SNS) topic and has subscribed the operations team's email address to the SNS topic. What should the company do next to meet these requirements?

- A. Create an Amazon CloudWatch alarm that uses the ConsumedReadCapacityUnits metri
- B. Set the alarm threshold to a value that is close to the DynamoDB table's provisioned capacit
- C. Configure the alarm to publish notifications to the SNS topic.
- D. Turn on auto scaling on the DynamoDB tabl
- E. Configure an Amazon EventBridge rule to publish notifications to the SNS topic during scaling events.
- F. Turn on Amazon CloudWatch Logs for the DynamoDB tabl
- G. Create an Amazon CloudWatch metric filter to pattern match the THROTTLING_EXCEPTION status code from DynamoD
- H. Create a CloudWatch alarm for the metri
- I. Select the SNS topic for notifications.
- J. Configure the application to store logs in Amazon CloudWatch Log
- K. Create an Amazon CloudWatch metric filter to pattern match the THROTTLING_EXCEPTION status code from DynamoD
- L. Create a CloudWatch alarm for the metri
- M. Select the SNS topic for notifications.

Answer: A

NEW QUESTION 155

A company hosts a web application on an Amazon EC2 instance. The web server logs are published to Amazon CloudWatch Logs. The log events have the same structure and include the HTTP response codes associated with user requests. The company needs to monitor the number of times the web server returns an HTTP 404 response. What is the MOST operationally efficient solution that meets these requirements?

- A. Create a CloudWatch Logs metric filter that counts the number of times the web server returns an HTTP 404 response.
- B. Create a CloudWatch Logs subscription filter that counts the number of HTTP 404 responses.
- C. Create an AWS Lambda function that runs a CloudWatch Logs Insights query every hour.
- D. Create a script that runs a CloudWatch Logs Insights query every hour.

Answer: A

NEW QUESTION 157

A company's application servers in AWS account 111122223333 use a security group sg-1234abcd. They need to access a database hosted in account 444455556666. The VPCs are connected using a VPC peering connection (pcx-b04deed9). A CloudOps engineer must configure the database's security group to allow new connections only from the application servers. What should the engineer do?

- A. Add an inbound rule to the database's security grou
- B. Reference 111122223333/sg- 1234abcd as the source.
- C. Add an inbound rule to the database's security grou
- D. Reference pcx-b04deed9/sg- 1234abcd as the source.
- E. Add an inbound rule to the database's security grou
- F. Reference sg-1234abcd as the source.
- G. Add an inbound rule to the database's security grou
- H. Reference 444455556666/sg- 1234abcd as the source.

Answer: C

NEW QUESTION 161

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 162

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 166

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 169

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 171

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