



Amazon-Web-Services

Exam Questions SOA-C03

AWS Certified CloudOps Engineer - Associate

About ExamBible

Your Partner of IT Exam

Found in 1998

ExamBible is a company specialized on providing high quality IT exam practice study materials, especially Cisco CCNA, CCDA, CCNP, CCIE, Checkpoint CCSE, CompTIA A+, Network+ certification practice exams and so on. We guarantee that the candidates will not only pass any IT exam at the first attempt but also get profound understanding about the certificates they have got. There are so many alike companies in this industry, however, ExamBible has its unique advantages that other companies could not achieve.

Our Advances

* 99.9% Uptime

All examinations will be up to date.

* 24/7 Quality Support

We will provide service round the clock.

* 100% Pass Rate

Our guarantee that you will pass the exam.

* Unique Gurantee

If you do not pass the exam at the first time, we will not only arrange FULL REFUND for you, but also provide you another exam of your claim, ABSOLUTELY FREE!

NEW QUESTION 1

A company's website runs on an Amazon EC2 Linux instance. The website needs to serve PDF files from an Amazon S3 bucket. All public access to the S3 bucket is blocked at the account level. The company needs to allow website users to download the PDF files. Which solution will meet these requirements with the LEAST administrative effort?

- A. Create an IAM role that has a policy that allows s3:list* and s3:get* permission
- B. Assign the role to the EC2 instance
- C. Assign a company employee to download requested PDF files to the EC2 instance and deliver the files to website user
- D. Create an AWS Lambda function to periodically delete local files.
- E. Create an Amazon CloudFront distribution that uses an origin access control (OAC) that points to the S3 bucket
- F. Apply a bucket policy to the bucket to allow connections from the CloudFront distribution
- G. Assign a company employee to provide a download URL that contains the distribution URL and the object path to users when users request PDF files.
- H. Change the S3 bucket permissions to allow public access on the source S3 bucket
- I. Assign a company employee to provide a PDF file URL to users when users request the PDF files.
- J. Deploy an EC2 instance that has an IAM instance profile to a public subnet
- K. Use a signed URL from the EC2 instance to provide temporary access to the S3 bucket for website users.

Answer: B

NEW QUESTION 2

A company runs 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 3

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 provides
- F. Create an IAM role that allows the CloudWatch agent to upload data
- 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 data
- 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 monitoring
- N. Create an EC2 Auto Scaling group and Auto Scaling policy that is based on the mem_used_percent metric.

Answer: C

NEW QUESTION 4

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 5

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 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

An AWS CloudFormation template creates an Amazon RDS instance. This template is used to build up development environments as needed and then delete the stack when the environment is no longer required. The RDS-persisted data must be retained for further use, even after the CloudFormation stack is deleted.

How can this be achieved in a reliable and efficient way?

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

Answer: C

NEW QUESTION 8

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

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

Which solution will meet these requirements?

- A. Create an IAM group that has a policy that allows the ec2:RunInstances action when the CostCenter-Project tag is presen
- B. Place all IAM users who need access to the application accounts in the IAM group.
- C. Create a service control policy (SCP) that denies the ec2:RunInstances action when the CostCenter-Project tag is missin
- D. Attach the SCP to the application OU.
- E. Create an IAM role that has a policy that allows the ec2:RunInstances action when the CostCenter-Project tag is presen
- F. Attach the IAM role to the IAM users that are in the application OU accounts.
- G. Create a service control policy (SCP) that denies the ec2:RunInstances action when the CostCenter-Project tag is missin
- H. Attach the SCP to the root OU.

Answer: B

NEW QUESTION 9

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

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

- A. Launch a new Amazon EC2 instanc
- B. Configure a cron job to use the AWS SDK to send an SNS notification to subscribers every Saturday.
- C. Create a rule in Amazon EventBridge that triggers every Saturda
- D. Configure the rule to publish a notification to an SNS topic.
- E. Create an SNS subscription to a message fanout that sends notifications to subscribers every Saturday.
- F. Use AWS Step Functions scheduling to run a step every Saturda
- G. Configure the step to publish a message to an SNS topic.

Answer: B

NEW QUESTION 10

A company runs a website on Amazon EC2 instances. Users can upload images to an Amazon S3 bucket and publish the images to the website. The company wants to deploy a serverless image-processing application that uses an AWS Lambda function to resize the uploaded images.

The company's development team has created the Lambda function. A CloudOps engineer must implement a solution to invoke the Lambda function when users upload new images to the S3 bucket.

Which solution will meet this requirement?

- A. Configure an Amazon Simple Notification Service (Amazon SNS) topic to invoke the Lambda function when a user uploads a new image to the S3 bucket.
- B. Configure an Amazon CloudWatch alarm to invoke the Lambda function when a user uploads a new image to the S3 bucket.
- C. Configure S3 Event Notifications to invoke the Lambda function when a user uploads anew image to the S3 bucket.
- D. Configure an Amazon Simple Queue Service (Amazon SQS) queue to invoke the Lambda function when a user uploads a new image to the S3 bucket.

Answer: C

NEW QUESTION 10

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 connector
- B. Include the architecture team's email address in the user data script as the recipient
- 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 protocol
- E. Enter the architecture team's email address as the subscriber
- F. Create an Amazon EventBridge rule that reacts when EC2 instances are launched
- 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 protocol
- I. Enter the architecture team's email address as the subscriber
- J. Create an Amazon EventBridge rule that reacts when EC2 instances are launched
- K. Specify the SQS queue as the rule's target.
- L. Create an Amazon Simple Notification Service (Amazon SNS) topic
- M. Configure AWS Systems Manager to publish EC2 events to the SNS topic
- N. Create an AWS Lambda function to poll the SNS topic
- O. Configure the Lambda function to send any messages to the architecture team's email address.

Answer: B

NEW QUESTION 12

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 15

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

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

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

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

Answer: C

NEW QUESTION 17

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 SQS
- B. Deliver logs to an Amazon S3 bucket for querying.
- C. Set up AWS CloudTrail
- D. Enable tracking of data events for Amazon SNS and Amazon SQS
- E. Deliver logs to an Amazon S3 bucket for querying.
- F. Create Amazon EventBridge rules to gather Amazon SNS and Amazon SQS events
- G. Store the events in an Amazon S3 bucket.
- H. Configure VPC endpoints for Amazon SNS and Amazon SQS
- I. Inspect the `vpcEndpointId` field in the AWS CloudTrail logs.
- J. Configure VPC endpoints for Amazon SNS and Amazon SQS
- K. Inspect the `vpcEndpoint` field in the Amazon CloudWatch logs.

Answer: BD

NEW QUESTION 18

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 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 23

A company uses hundreds of Amazon EC2 On-Demand Instances and Spot Instances to run production and non-production workloads. The company installs and configures the AWS Systems Manager Agent (SSM Agent) on the EC2 instances.

During a recent instance patch operation, some instances were not patched because the instances were either busy or down. The company needs to generate a report that lists the current patch version of all instances.

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

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

Answer: A

NEW QUESTION 27

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 28

A CloudOps engineer is troubleshooting an AWS CloudFormation stack creation that failed. Before the CloudOps engineer can identify the problem, the stack and its resources are deleted. For future deployments, the CloudOps engineer must preserve any resources that CloudFormation successfully created.

What should the CloudOps engineer do to meet this requirement?

- A. Set the value of the DisableRollback parameter to False during stack creation.
- B. Set the value of the OnFailure parameter to DO_NOTHING during stack creation.
- C. Specify a rollback configuration that has a rollback trigger of DO_NOTHING during stack creation.
- D. Set the value of the OnFailure parameter to ROLLBACK during stack creation.

Answer: B

NEW QUESTION 29

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 34

A company has a multi-account AWS environment that includes the following:

- A central identity account that contains all IAM users and groups
- Several member accounts that contain IAM roles

A SysOps administrator must grant permissions for a particular IAM group to assume a role in one of the member accounts. How should the SysOps administrator accomplish this task?

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

- F. In the identity account, add an inline policy to the group with sts:PassRole permissions.
- G. In the member account, add the group Amazon Resource Name (ARN) to the role's inline policy.
- H. In the identity account, add a trust policy to the group with sts:AssumeRole permissions.

Answer: B

NEW QUESTION 38

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 42

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 47

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 51

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 53

A company is running an ecommerce application on AWS. The application maintains many open but idle connections to an Amazon Aurora DB cluster. During times of peak usage, the database produces the following error message: "Too many connections." The database clients are also experiencing errors.

Which solution will resolve these errors?

- A. Increase the read capacity units (RCUs) and the write capacity units (WCUs) on the database.
- B. Configure RDS Proxy.
- C. Update the application with the RDS Proxy endpoint.
- D. Turn on enhanced networking for the DB instances.
- E. Modify the DB cluster to use a burstable instance type.

Answer: B

NEW QUESTION 58

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 60

A company has a microservice that runs on a set of Amazon EC2 instances. The EC2 instances run behind an Application Load Balancer (ALB). A CloudOps engineer must use Amazon Route 53 to create a record that maps the ALB URL to example.com. Which type of record will meet this requirement?

- A. An A record
- B. An AAAA record
- C. An alias record
- D. A CNAME record

Answer: C

NEW QUESTION 61

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 Resolve
- 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 65

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 68

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

Which solution will meet these requirements?

- A. Create an Aurora Replica 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 69

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 zon
- 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 zon
- 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 terminate
- 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 resolve
- 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 74

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 76

A company is migrating a legacy application to AWS. The application runs on EC2 instances across multiple Availability Zones behind an Application Load Balancer (ALB). The target group routing algorithm is set to weighted random, and the application requires session affinity (sticky sessions).

After deployment, users report random application errors that were not present before migration, even though target health checks are passing.

Which solution will meet this requirement?

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

Answer: A

NEW QUESTION 77

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 79

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 84

A company uses an organization in AWS Organizations to manage multiple AWS accounts. The company needs to send specific events from all the accounts in the organization to a new receiver account, where an AWS Lambda function will process the events.

A CloudOps engineer configures Amazon EventBridge to route events to a target event bus in the us-west-2 Region in the receiver account. The CloudOps engineer creates rules in both the sender and receiver accounts that match the specified events. The rules do not specify an account parameter in the event pattern. IAM roles are created in the sender accounts to allow PutEvents actions on the target event bus.

However, the first test events from the us-east-1 Region are not processed by the Lambda function in the receiving account.

What is the likely reason the events are not processed?

- A. Interface VPC endpoints for EventBridge are required in the sender accounts and receiver accounts.
- B. The target Lambda function is in a different AWS Region, which is not supported by EventBridge.
- C. The resource-based policy on the target event bus must be modified to allow PutEvents API calls from the sender accounts.
- D. The rule in the receiving account must specify {"account": ["sender-account-id"]} in its event pattern and must include the receiving account ID.

Answer: C

NEW QUESTION 88

A CloudOps engineer must manage the security of an AWS account. Recently, an IAM user's access key was mistakenly uploaded to a public code repository. The engineer must identify everything that was changed using this compromised key.

How should the CloudOps engineer meet these requirements?

- A. Create an Amazon EventBridge rule to send all IAM events to an AWS Lambda function for analysis.
- B. Query Amazon EC2 logs by using Amazon CloudWatch Logs Insights for all events initiated with the compromised access key within the suspected timeframe.
- C. Search AWS CloudTrail event history for all events initiated with the compromised access key within the suspected timeframe.
- D. Search VPC Flow Logs for all events initiated with the compromised access key within the suspected timeframe.

Answer: C

NEW QUESTION 90

A company runs an application on Amazon EC2 that connects to an Amazon Aurora PostgreSQL database. A developer accidentally drops a table from the database, causing application errors. Two hours later, a CloudOps engineer needs to recover the data and make the application functional again.

Which solution will meet this requirement?

- A. Use the Aurora Backtrack feature to rewind the database to a specified time, 2 hours in the past.
- B. Perform a point-in-time recovery on the existing database to restore the database to a specified point in time, 2 hours in the past.
- C. Perform a point-in-time recovery and create a new database to restore the database to a specified point in time, 2 hours in the past.
- D. Reconfigure the application to use a new database endpoint.
- E. Create a new Aurora cluster.
- F. Choose the Restore data from S3 bucket option.
- G. Choose log files up to the failure time 2 hours in the past.

Answer: C

NEW QUESTION 93

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

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

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

- A. Reconfigure the Lambda function so that the function is not connected to the VPC.
- B. Deploy an RDS proxy.
- C. Configure the Lambda function to connect to the DB instance through the proxy.
- D. Deploy a NAT gateway.
- E. Update the private subnet's route table to route all traffic to the NAT gateway.
- F. Create an interface VPC endpoint for Amazon SQS in the VPC.
- G. Create a gateway endpoint for Amazon SQS in the VPC.

Answer: CD

NEW QUESTION 94

A CloudOps engineer has an AWS CloudFormation template of the company's existing infrastructure in us-west-2. The CloudOps engineer attempts to use the template to launch a new stack in eu-west-1, but the stack partially deploys, receives an error message, and then rolls back.

Why would this template fail to deploy? (Select TWO.)

- A. The template referenced an IAM user that is not available in eu-west-1.
- B. The template referenced an Amazon Machine Image (AMI) that is not available in eu-west-1.
- C. The template did not have the proper level of permissions to deploy the resources.
- D. The template requested services that do not exist in eu-west-1.
- E. CloudFormation templates can be used only to update existing services.

Answer: BD

NEW QUESTION 97

A company runs applications on Amazon EC2 instances. Many of the instances are not patched. The company has a tagging policy. All the instances are tagged with details about the owners, application, and environment. AWS Systems Manager Agent (SSM Agent) is installed on all the instances.

A SysOps administrator must implement a solution to automatically patch all existing and future instances that have "Prod" in the environment tag. The SysOps administrator plans to create a patch policy in Systems Manager Patch Manager.

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

- A. Define targets of the patch policy by specifying node tags that match the company's tagging strategy.
- B. Configure an AWS Lambda function to scan for new instances and to add the instances to the targets of the patch policy.
- C. Create resource group
- D. Add the existing instances to the resource group
- E. Configure an AWS Lambda function to scan for new instances and to add the instances to the resource groups at regular interval
- F. Attach the resource groups to the patch policy.
- G. Create resource group
- H. Add the existing instances to the resource group
- I. Create an Amazon EventBridge rule that uses an appropriately defined filter to add new instances to the resource group
- J. Attach the resource groups to the patch policy.

Answer: A

NEW QUESTION 101

A SysOps administrator needs to encrypt an existing Amazon Elastic File System (Amazon EFS) file system by using an existing AWS KMS customer managed key.

Which solution will meet these requirements?

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

Answer: A

NEW QUESTION 104

A SysOps administrator needs to implement a solution that protects credentials for an Amazon RDS for MySQL DB instance. The solution must rotate the credentials automatically one time every week.

Which combination of steps will meet these requirements? (Select TWO.)

- A. Configure an RDS proxy to store the credentials.
- B. Add the credentials to AWS Secrets Manager.
- C. Add the credentials to AWS Systems Manager Parameter Store.
- D. Create an AWS Lambda function to rotate the credentials.
- E. Create an AWS Systems Manager Automation runbook to rotate the credentials.

Answer: BD

NEW QUESTION 108

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 111

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 115

A CloudOps engineer wants to share a copy of a production database with a migration account. The production database is hosted on an Amazon RDS DB instance and is encrypted at rest with an AWS Key Management Service (AWS KMS) key that has an alias of production-rds-key. What must the CloudOps engineer do to meet these requirements with the LEAST administrative overhead?

- A. Take a snapshot of the RDS DB instance
- B. Update the KMS key policy to allow access for the migration account root user
- C. Share the snapshot with the migration account.
- D. Create an RDS read replica in the migration account
- E. Replicate the KMS key.
- F. Take a snapshot and create a new KMS key in the migration account with the same alias.
- G. Export the database to Amazon S3 and import it into a new RDS instance.

Answer: A

NEW QUESTION 116

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 accounts
- 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 120

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 124

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 125

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 129

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 131

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 133

A company that uses AWS Organizations recently implemented AWS Control Tower. The company now needs to centralize identity management. A CloudOps engineer must federate AWS IAM Identity Center with an external SAML 2.0 identity provider (IdP) to centrally manage access to all AWS accounts and cloud applications.

Which prerequisites must the CloudOps engineer have so that the CloudOps engineer can connect to the external IdP? (Select TWO.)

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

Answer: AB

NEW QUESTION 137

A global company runs a critical primary workload in the us-east-1 Region. The company wants to ensure business continuity with minimal downtime in case of a workload failure. The company wants to replicate the workload to a second AWS Region.

A CloudOps engineer needs a solution that achieves a recovery time objective (RTO) of less than 10 minutes and a zero recovery point objective (RPO) to meet service level agreements.

Which solution will meet these requirements?

- A. Implement a pilot light architecture that provides real-time data replication in the second Region
- B. Configure Amazon Route 53 health checks and automated DNS failover.
- C. Implement a warm standby architecture that provides regular data replication in a second Region
- D. Configure Amazon Route 53 health checks and automated DNS failover.
- E. Implement an active-active architecture that provides real-time data replication across two Region
- F. Use Amazon Route 53 health checks and a weighted routing policy.
- G. Implement a custom script to generate a regular backup of the data and store it in an S3 bucket that is in a second Region
- H. Use the backup to launch the application in the second Region in the event of a workload failure.

Answer: C

NEW QUESTION 138

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 140

A CloudOps engineer is examining the following AWS CloudFormation template: AWSTemplateFormatVersion: '2010-09-09'

Description: 'Creates an EC2 Instance' Resources:

EC2Instance:

Type: AWS::EC2::Instance Properties:

ImageId: ami-79fd7eee InstanceType: m5n.large SubnetId: subnet-1abc3d3fg

PrivateDnsName: ip-10-24-34-0.ec2.internal Tags:

- Key: Name

Value: !Sub "\${AWS::StackName} Instance" Why will the stack creation fail?

- A. The Outputs section of the CloudFormation template was omitted.
- B. The Parameters section of the CloudFormation template was omitted.
- C. The PrivateDnsName cannot be set from a CloudFormation template.
- D. The VPC was not specified in the CloudFormation template.

Answer: C

NEW QUESTION 144

A company has 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 network
- 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 network
- 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 146

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 mode
- 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 mode
- H. Place all backups in the new S3 bucket with a retention period of 3 months.

Answer: B

NEW QUESTION 149

A company runs thousands of Amazon EC2 instances that are based on the Amazon Linux 2 Amazon Machine Image (AMI). A SysOps administrator must implement a solution to record commands and output from any user that needs an interactive session on one of the EC2 instances. The solution must log the data to a durable storage location. The solution also must provide automated notifications and alarms that are based on the log data.

Which solution will meet these requirements with the MOST operational efficiency?

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

Answer: C

NEW QUESTION 151

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

What should a CloudOps engineer do to resolve this issue?

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

Answer: A

NEW QUESTION 156

A 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 158

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 162

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 163

A company needs to monitor its website's availability to end users. The company needs a solution to provide an Amazon Simple Notification Service (Amazon SNS) notification if the website's uptime decreases to less than 99%. The monitoring must provide an accurate view of the user experience on the website.

Which solution will meet these requirements?

- A. Create an Amazon CloudWatch alarm that is based on the website's logs that are published to a CloudWatch Logs log grou
- B. Configure the alarm to publish an SNS notification if the number of HTTP 4xx and 5xx errors exceeds a specified threshold.
- C. Create an Amazon CloudWatch alarm that is based on the website's published metrics in CloudWatc
- D. Configure the alarm to publish an SNS notification based on anomaly detection.
- E. Create an Amazon CloudWatch Synthetics heartbeat monitoring canar
- F. Associate the canary with the website's UR
- G. Create a CloudWatch alarm for the canar
- H. Configure the alarm to publish an SNS notification if the value of the SuccessPercent metric is less than 99%.
- I. Create an Amazon CloudWatch Synthetics broken link checker monitoring canar
- J. Associate the canary with the website's UR
- K. Create a CloudWatch alarm for the canar

L. Configure the alarm to publish an SNS notification if the value of the SuccessPercent metric is less than 99%.

Answer: C

NEW QUESTION 164

A CloudOps engineer is preparing to deploy an application to Amazon EC2 instances that are in an Auto Scaling group. The application requires dependencies to be installed. Application updates are issued weekly.

The CloudOps engineer needs to implement a solution to incorporate the application updates on a regular basis. The solution also must conduct a vulnerability scan during Amazon Machine Image (AMI) creation.

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

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

Answer: C

NEW QUESTION 168

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 171

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 175

.....

Relate Links

100% Pass Your SOA-C03 Exam with Exam Bible Prep Materials

<https://www.exambible.com/SOA-C03-exam/>

Contact us

We are proud of our high-quality customer service, which serves you around the clock 24/7.

Viste - <https://www.exambible.com/>