

Exam Questions SOA-C03

AWS Certified CloudOps Engineer - Associate

<https://www.2passeasy.com/dumps/SOA-C03/>



NEW QUESTION 1

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

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

Which solution will meet these requirements?

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

Answer: C

NEW QUESTION 2

A company 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 3

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 4

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 5

A company runs an application on Amazon EC2 instances in an Auto Scaling group. Scale-out actions take a long time because of long-running boot scripts. The CloudOps engineer must reduce scale-out time without overprovisioning.

Which solution will meet these requirements?

- A. Change the launch configuration to use a larger instance size.
- B. Increase the minimum number of instances in the Auto Scaling group.
- C. Add a predictive scaling policy to the Auto Scaling group.
- D. Add a warm pool to the Auto Scaling group.

Answer: D

NEW QUESTION 6

An environment consists of 100 Amazon EC2 Windows instances. The Amazon CloudWatch agent is deployed and running on all EC2 instances with a baseline configuration file to capture log files. There is a new requirement to capture DHCP log files that exist on 50 of the instances.

What is the MOST operationally efficient way to meet this new requirement?

- A. Create an additional CloudWatch agent configuration file to capture the DHCP log
- B. Use AWS Systems Manager Run Command to restart the CloudWatch agent on each EC2 instance with the append-config option.
- C. Log in to each EC2 instance with administrator rights and create a PowerShell script to push logs to CloudWatch.
- D. Run the CloudWatch agent configuration wizard on each EC2 instance and add DHCP logs manually.
- E. Run the CloudWatch agent configuration wizard on each EC2 instance and select the advanced detail level.

Answer: A

NEW QUESTION 7

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

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

Which solution will meet these requirements?

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

Answer: B

NEW QUESTION 8

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 9

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

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

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

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

Answer: C

NEW QUESTION 10

A company manages a set of AWS accounts by using AWS Organizations. The company's security team wants to use a native AWS service to regularly scan all AWS accounts against the Center for Internet Security (CIS) AWS Foundations Benchmark.

What is the MOST operationally efficient way to meet these requirements?

- A. Designate a central security account as the AWS Security Hub administrator account
- B. Use scripts to invite and accept member accounts.
- C. Run the CIS AWS Foundations Benchmark by using Amazon Inspector.
- D. Designate a central security account as the Amazon GuardDuty administrator account and configure CIS scans.

E. Designate an AWS Security Hub administrator account, automatically enroll new organization accounts, and enable CIS AWS Foundations Benchmark.

Answer: D

NEW QUESTION 10

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

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

Answer: D

NEW QUESTION 13

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

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

Answer: D

NEW QUESTION 16

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

- A. Create an IAM user with an IAM policy that allows the sqs:SendMessage permission, the sqs:ReceiveMessage permission, and the sqs:DeleteMessage permission to the appropriate queue
- B. Embed the IAM user's credentials in the application's configuration.
- C. Create an IAM user with an IAM policy that allows the sqs:SendMessage permission, the sqs:ReceiveMessage permission, and the sqs:DeleteMessage permission to the appropriate queue
- D. Export the IAM user's access key and secret access key as environment variables on the EC2 instance.
- E. Create and associate an IAM role that allows EC2 instances to call AWS service
- F. Attach an IAM policy to the role that allows sqs:* permissions to the appropriate queues.
- G. Create and associate an IAM role that allows EC2 instances to call AWS services. Attach an IAM policy to the role that allows the sqs:SendMessage permission, the sqs:ReceiveMessage permission, and the sqs:DeleteMessage permission to the appropriate queues.

Answer: D

NEW QUESTION 20

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

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

Answer: A

NEW QUESTION 21

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 22

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 information
- 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 installed
- J. Generate a report of all instances.

Answer: A

NEW QUESTION 24

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 25

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 30

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 33

A CloudOps engineer is using AWS Compute Optimizer to generate recommendations for a fleet of Amazon EC2 instances. Some of the instances use newly released instance types, while other instances use older instance types.

After the analysis is complete, the CloudOps engineer notices that some of the EC2 instances are missing from the Compute Optimizer dashboard.

What is the likely cause of this issue?

- A. The missing instances have insufficient historical Amazon CloudWatch metric data for analysis.
- B. Compute Optimizer does not support the instance types of the missing instances.
- C. Compute Optimizer already considers the missing instances to be optimized.
- D. The missing instances are running a Windows operating system.

Answer: B

NEW QUESTION 38

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 compliance
- 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 40

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 42

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 44

A company runs applications on Amazon EC2 instances. The company wants to ensure that SSH ports on the EC2 instances are never open. The company has enabled AWS Config and has set up the restricted-ssh AWS managed rule.

A CloudOps engineer must implement a solution to remediate SSH port access for noncompliant security groups.

What should the engineer do to meet this requirement with the MOST operational efficiency?

- A. Configure the AWS Config rule to identify noncompliant security group
- B. Configure the rule to use the AWS-PublishSNSNotification AWS Systems Manager Automation runbook to send notifications about noncompliant resources.
- C. Configure the AWS Config rule to identify noncompliant security group
- D. Configure the rule to use the AWS-DisableIncomingSSHOnPort22 AWS Systems Manager Automation runbook to remediate noncompliant resources.
- E. Make an AWS Config API call to search for noncompliant security group
- F. Disable SSH access for noncompliant security groups by using a Deny rule.
- G. Configure the AWS Config rule to identify noncompliant security group
- H. Manually update each noncompliant security group to remove the Allow rule.

Answer: B

NEW QUESTION 47

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 50

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

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

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

Answer: C

NEW QUESTION 51

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

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

Answer: B

NEW QUESTION 54

A company deploys an application on Amazon EC2 instances in an Auto Scaling group behind an Application Load Balancer (ALB). The company wants to protect the application from SQL injection attacks. Which solution will meet this requirement?

- A. Deploy AWS Shield Advanced in front of the AL
- B. Enable SQL injection filtering.
- C. Deploy AWS Shield Standard in front of the AL
- D. Enable SQL injection filtering.
- E. Deploy a vulnerability scanner on each EC2 instanc
- F. Continuously scan the application code.
- G. Deploy AWS WAF in front of the AL
- H. Subscribe to an AWS Managed Rule for SQL injection filtering.

Answer: D

NEW QUESTION 57

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

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

Answer: C

NEW QUESTION 61

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 resourc
- 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 62

A company uses Amazon ElastiCache (Redis OSS) to cache application data. A CloudOps engineer must implement a solution to increase the resilience of the cache and minimize the recovery time objective (RTO). Which solution will meet these requirements?

- A. Replace ElastiCache (Redis OSS) with ElastiCache (Memcached).
- B. Create an Amazon EventBridge rule to initiate a backup every hour.
- C. Create a read replica in a second Availability Zone and enable Multi-AZ for the Redisreplication group.
- D. Enable automatic backups and restore the backups when necessary.

Answer: C

NEW QUESTION 65

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 67

A SysOps administrator creates a custom Amazon Machine Image (AMI) in the eu-west-2 Region and uses the AMI to launch Amazon EC2 instances. The SysOps administrator needs to use the same AMI to launch EC2 instances in two other Regions: us-east-1 and us-east-2. What must the SysOps administrator do to use the custom AMI in the additional Regions?

- A. Copy the AMI to the additional Regions
- B. Make the AMI public in the Community AMIs section of the AWS Management Console
- C. Share the AMI to the additional Region
- D. Assign the required access permissions.
- E. Copy the AMI to a new Amazon S3 bucket
- F. Assign access permissions to the AMI for the additional Regions

Answer: A

NEW QUESTION 72

A CloudOps engineer must ensure that all of a company's current and future Amazon S3 buckets have logging enabled. If an S3 bucket does not have logging enabled, an automated process must enable logging for the S3 bucket. Which solution will meet these requirements?

- A. Use AWS Trusted Advisor to perform a check for S3 buckets that do not have logging enabled
- B. Configure the check to enable logging for S3 buckets that do not have logging enabled.
- C. Configure an S3 bucket policy that requires all current and future S3 buckets to have logging enabled.
- D. Use the s3-bucket-logging-enabled AWS Config managed rule
- E. Add a remediation action that uses an AWS Lambda function to enable logging.
- F. Use the s3-bucket-logging-enabled AWS Config managed rule
- G. Add a remediation action that uses the AWS-ConfigureS3BucketLogging AWS Systems Manager Automation runbook.

Answer: D

NEW QUESTION 76

A company operates compute resources in a VPC and in the company's on-premises data center. The company already has an AWS Direct Connect connection between the VPC and the on-premises data center.

A CloudOps engineer needs to ensure that Amazon EC2 instances in the VPC can resolve DNS names for hosts in the on-premises data center. Which solution will meet this requirement with the LEAST amount of ongoing maintenance?

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

Answer: B

NEW QUESTION 78

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 82

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

Answer: A

NEW QUESTION 83

A company 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 84

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 88

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 89

A multinational company uses an organization in AWS Organizations to manage over 200 member accounts across multiple AWS Regions. The company must ensure that all AWS resources meet specific security requirements. The company must not deploy any EC2 instances in the ap-southeast-2 Region. The company must completely block root user actions in all member accounts. The company must prevent any user from deleting AWS CloudTrail logs, including administrators. The company requires a centrally managed solution that the company can automatically apply to all existing and future accounts. Which solution will meet these requirements?

- A. Create AWS Config rules with remediation actions in each account to detect policy violation
- B. Implement IAM permissions boundaries for the account root users.
- C. Enable AWS Security Hub across the organizatio

- D. Create custom security standards to enforce the security requirement
- E. Use AWS CloudFormation StackSets to deploy the standards to all the accounts in the organization
- F. Set up Security Hub automated remediation actions.
- G. Use AWS Control Tower for account governance
- H. Configure Region deny control
- I. Use Service Control Policies (SCPs) to restrict root user access.
- J. Configure AWS Firewall Manager with security policies to meet the security requirement
- K. Use an AWS Config aggregator with organization-wide conformance packs to detect security policy violations.

Answer: C

NEW QUESTION 92

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 97

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

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

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

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

Answer: B

NEW QUESTION 98

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

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

Answer: D

NEW QUESTION 99

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 104

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 108

A company's security policy prohibits connecting to Amazon EC2 instances through SSH and RDP. Instead, staff must use AWS Systems Manager Session Manager. Users report they cannot connect to one Ubuntu instance, even though they can connect to others. What should a CloudOps engineer do to resolve this issue?

- A. Add an inbound rule for port 22 in the security group associated with the Ubuntu instance.
- B. Assign the AmazonSSMManagedInstanceCore managed policy to the EC2 instance profile for the Ubuntu instance.
- C. Configure the SSM Agent to log in with a user name of "ubuntu".
- D. Generate a new key pair, configure Session Manager to use this new key pair, and provide the private key to the users.

Answer: B

NEW QUESTION 112

A CloudOps engineer wants to configure observability of specific metrics for a public website that runs on Amazon Elastic Kubernetes Service (Amazon EKS). The CloudOps engineer wants to observe latency, traffic, errors, and saturation metrics. The CloudOps engineer wants to define service level objectives (SLOs) and monitor service level indicators (SLIs). The CloudOps engineer also wants to correlate metrics, logs, and traces to support faster issue resolution. Which solution will meet these requirements with the LEAST operational effort?

- A. Use Amazon CloudWatch Application Signals to automatically collect and monitor the specified metrics for the EKS workloads.
- B. Configure AWS Distro for OpenTelemetry and use Amazon Managed Service for Prometheus and Amazon Managed Grafana.
- C. Configure Amazon CloudWatch RUM and CloudWatch Synthetics canaries.
- D. Configure Amazon CloudWatch Application Insights.

Answer: A

NEW QUESTION 113

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 117

A company has a stateful web application that is hosted on Amazon EC2 instances in an Auto Scaling group. The instances run behind an Application Load Balancer (ALB) that has a single target group. The ALB is configured as the origin in an Amazon CloudFront distribution. Users are reporting random logouts from the web application.

Which combination of actions should a CloudOps engineer take to resolve this problem? (Select TWO.)

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

Answer: BE

NEW QUESTION 122

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 125

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 127

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 129

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 130

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 135

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 139

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 140

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 144

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 145

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 150

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 151

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 152

A company hosts a critical legacy application on two Amazon EC2 instances that are in one Availability Zone. The instances run behind an Application Load Balancer (ALB). The company uses Amazon CloudWatch alarms to send Amazon Simple Notification Service (Amazon SNS) notifications when the ALB health checks detect an unhealthy instance. After a notification, the company's engineers manually restart the unhealthy instance. A CloudOps engineer must configure the application to be highly available and more resilient to failures. Which solution will meet these requirements?

- A. Create an Amazon Machine Image (AMI) from a healthy instance
- B. Launch additional instances from the AMI in the same Availability Zone
- C. Add the new instances to the ALB target group.
- D. Increase the size of each instance
- E. Create an Amazon EventBridge rule
- F. Configure the EventBridge rule to restart the instances if they enter a failed state.
- G. Create an Amazon Machine Image (AMI) from a healthy instance
- H. Launch an additional instance from the AMI in the same Availability Zone
- I. Add the new instance to the ALB target group
- J. Create an AWS Lambda function that runs when an instance is unhealthy
- K. Configure the Lambda function to stop and restart the unhealthy instance.
- L. Create an Amazon Machine Image (AMI) from a healthy instance
- M. Create a launch template that uses the AMI
- N. Create an Amazon EC2 Auto Scaling group that is deployed across multiple Availability Zones
- O. Configure the Auto Scaling group to add instances to the ALB target group.

Answer: D

NEW QUESTION 154

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 role
- B. Attach the policy to the role.
- C. Add the users to an IAM user group
- 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 159

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 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 161

A company has a VPC that contains a public subnet and a private subnet. The company deploys an Amazon EC2 instance that uses an Amazon Linux AMI and has the AWS Systems Manager Agent (SSM Agent) installed in the private subnet. The EC2 instance is in a security group that allows only outbound traffic. A CloudOps engineer needs to give a group of privileged administrators the ability to connect to the instance through SSH without exposing the instance to the

internet.
Which solution will meet this requirement?

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

Answer: A

NEW QUESTION 163

A company has a workload that is sending log data to Amazon CloudWatch Logs. One of the fields includes a measure of application latency. A CloudOps engineer needs to monitor the p90 statistic of this field over time.
What should the CloudOps engineer do to meet this requirement?

- A. Create an Amazon CloudWatch Contributor Insights rule on the log data.
- B. Create a metric filter on the log data.
- C. Create a subscription filter on the log data.
- D. Create an Amazon CloudWatch Application Insights rule for the workload.

Answer: B

NEW QUESTION 164

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 167

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 170

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 173

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 group
- 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 CloudWatch
- D. Configure the alarm to publish an SNS notification based on anomaly detection.
- E. Create an Amazon CloudWatch Synthetics heartbeat monitoring canary
- F. Associate the canary with the website's URL
- G. Create a CloudWatch alarm for the canary
- 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 canary
- J. Associate the canary with the website's URL
- K. Create a CloudWatch alarm for the canary
- L. Configure the alarm to publish an SNS notification if the value of the SuccessPercent metric is less than 99%.

Answer: C

NEW QUESTION 175

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 179

.....

THANKS FOR TRYING THE DEMO OF OUR PRODUCT

Visit Our Site to Purchase the Full Set of Actual SOA-C03 Exam Questions With Answers.

We Also Provide Practice Exam Software That Simulates Real Exam Environment And Has Many Self-Assessment Features. Order the SOA-C03 Product From:

<https://www.2passeasy.com/dumps/SOA-C03/>

Money Back Guarantee

SOA-C03 Practice Exam Features:

- * SOA-C03 Questions and Answers Updated Frequently
- * SOA-C03 Practice Questions Verified by Expert Senior Certified Staff
- * SOA-C03 Most Realistic Questions that Guarantee you a Pass on Your First Try
- * SOA-C03 Practice Test Questions in Multiple Choice Formats and Updates for 1 Year