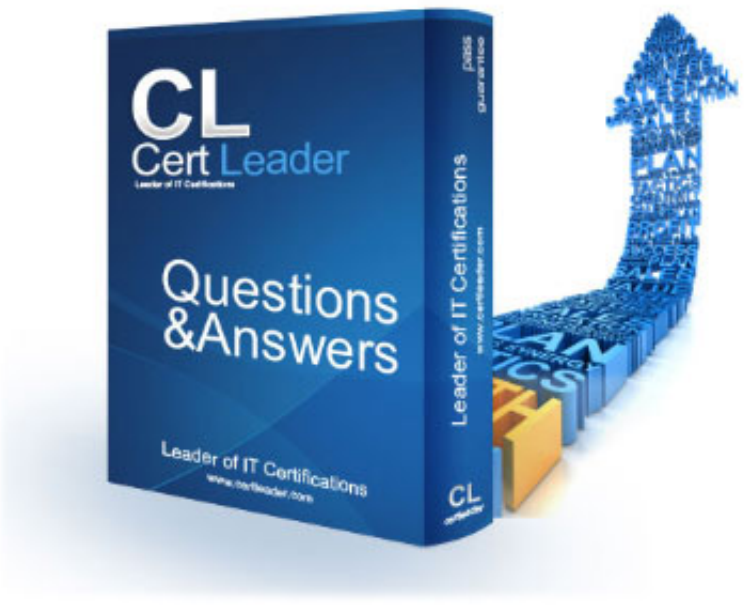
SOA-C02 Dumps

AWS Certified SysOps Administrator - Associate (SOA-C02)

https://www.certleader.com/SOA-C02-dumps.html



NEW QUESTION 1
- (Exam Topic 1)
A company has an application that is running on Amazon EC2 instances in a VPC. The application needs access to download software updates from the internet. The VPC has public subnets and private signets. The company's security policy requires all ECS instances to be deployed in private subnets
What should a SysOps administrator do to meet those requirements?

A. Add an internet gateway to the VPC In the route table for the private subnets, odd a route to the interne; gateway.
B. Add a NAT gateway to a private subne
C. In the route table for the private subnets, add a route to the NAT gateway.
D. Add a NAT gateway to a public subnet in the route table for the private subnets, add a route to the NAT gateway.
E. Add two internet gateways to the VP
F. In The route tablet for the private subnets and public subnets, add a route to each internet gateway.

Answer: C

NEW QUESTION 2
- (Exam Topic 1)
A SysOps administrator is provisioning an Amazon Elastic File System (Amazon EFS) file system to provide shared storage across multiple Amazon EC2 instances The instances all exist in the same VPC across multiple Availability Zones. There are two instances In each Availability Zone. The SysOps administrator must make the file system accessible to each instance with the lowest possible latency.
Which solution will meet these requirements?

A. Create a mount target for the EFS file system in the VP
B. Use the mount target to mount the file system on each of the instances
C. Create a mount target for the EFS file system in one Availability Zone of the VP
D. Use the mount target to mount the file system on the instances in that Availability Zon
E. Share the directory with the other instances.
F. Create a mount target for each instanc
G. Use each mount target to mount the EFS file system on each respective instance.
H. Create a mount target in each Availability Zone of the VPC Use the mount target to mount the EFS file system on the Instances in the respective Availability Zone.

Answer: D

Explanation:
A mount target provides an IP address for an NFSv4 endpoint at which you can mount an Amazon EFS file system. You mount your file system using its Domain Name Service (DNS) name, which resolves to the IP address of the EFS mount target in the same Availability Zone as your EC2 instance. You can create one mount target in each Availability Zone in an AWS Region. If there are multiple subnets in an Availability Zone in your VPC, you create a mount target in one of the subnets. Then all EC2 instances in that Availability Zone share that mount target. https://docs.aws.amazon.com/efs/latest/ug/how-it-works.html

NEW QUESTION 3
- (Exam Topic 1)
A company has a policy that requires all Amazon EC2 instances to have a specific set of tags. If an EC2 instance does not have the required tags, the noncompliant instance should be terminated.
What is the MOST operationally efficient solution that meets these requirements?

A. Create an Amazon EventBridge (Amazon CloudWatch Events) rule to send all EC2 instance state changes to an AWS Lambda function to determine if each instance is complian
B. Terminate any noncompliant instances.
C. Create an IAM policy that enforces all EC2 instance tag requirement
D. If the required tags are not in place for an instance, the policy will terminate noncompliant instance.
E. Create an AWS Lambda function to determine if each EC2 instance is compliant and terminate an instance if it is noncomplian
F. Schedule the Lambda function to invoke every 5 minutes.
G. Create an AWS Config rule to check if the required tags are presen
H. If an EC2 instance is noncompliant, invoke an AWS Systems Manager Automation document to terminate the instance.

Answer: D

Explanation:
https://docs.aws.amazon.com/systems-manager/latest/userguide/systems-manager-automation.html

NEW QUESTION 4
- (Exam Topic 1)
A company has created a NAT gateway in a public subnet in a VPC. The VPC also contains a private subnet that includes Amazon EC2 instances. The EC2 instances use the NAT gateway to access the internet to download patches and updates. The company has configured a VPC flow log for the elastic network interface of the NAT gateway. The company is publishing the output to Amazon CloudWatch Logs.
A SysOps administrator must identify the top five internet destinations that the EC2 instances in the private subnet communicate with for downloads.
What should the SysOps administrator do to meet this requirement in the MOST operationally efficient way?

A. Use AWS CloudTrail Insights events to identify the top five internet destinations.
B. Use Amazon CloudFront standard logs (access logs) to identify the top five internet destinations.
C. Use CloudWatch Logs Insights to identify the top five internet destinations.
D. Change the flow log to publish logs to Amazon S3. Use Amazon Athena to query the log files in Amazon S3.

Answer: C

NEW QUESTION 5

- (Exam Topic 1)
A company needs to archive all audit logs for 10 years. The company must protect the logs from any future edits.
Which solution will meet these requirements?

A. Store the data in an Amazon Elastic Block Store (Amazon EBS) volum
B. Configure AWS Key Management Service (AWS KMS) encryption.
C. Store the data in an Amazon S3 Glacier vaul
D. Configure a vault lock policy for write-once, read-many (WORM) access.
E. Store the data in Amazon S3 Standard-Infrequent Access (S3 Standard-IA). Configure server-side encryption.
F. Store the data in Amazon S3 Standard-Infrequent Access (S3 Standard-IA). Configure multi-factor authentication (MFA).

Answer: B

Explanation:
To meet the requirements of the workload, a company should store the data in an Amazon S3 Glacier vault and configure a vault lock policy for write-once, read-many (WORM) access. This will ensure that the data is stored securely and cannot be edited in the future. The other solutions (storing the data in an Amazon Elastic Block Store (Amazon EBS) volume and configuring AWS Key Management Service (AWS KMS) encryption, storing the data in Amazon S3 Standard-Infrequent Access (S3 Standard-IA) and configuring server-side encryption, or storing the data in Amazon S3 Standard-Infrequent Access (S3 Standard-IA) and configuring multi-factor authentication (MFA)) will not meet the requirements, as they do not provide a way to protect the audit logs from future edits.
https://docs.aws.amazon.com/zh_tw/AmazonS3/latest/userguide/object-lock.html

NEW QUESTION 6
- (Exam Topic 1)
A SysOps administrator noticed that the cache hit ratio for an Amazon CloudFront distribution is less than 10%.
Which collection of configuration changes will increase the cache hit ratio for the distribution? (Select TWO.)

A. Ensure that only required cookies, query strings, and headers are forwarded in the Cache Behavior Settings.
B. Change the Viewer Protocol Policy to use HTTPS only.
C. Configure the distribution to use presigned cookies and URLs to restrict access to the distribution.
D. Enable automatic compression of objects in the Cache Behavior Settings.
E. Increase the CloudFront time to live (TTL) settings in the Cache Behavior Settings.

Answer: AE

Explanation:
https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/cache-hit-ratio.html#cache-hit-ratio-ht

NEW QUESTION 7
- (Exam Topic 1)
The security team is concerned because the number of AWS Identity and Access Management (IAM) policies being used in the environment is increasing. The team tasked a SysOps administrator to report on the current number of IAM policies in use and the total available IAM policies.
Which AWS service should the administrator use to check how current IAM policy usage compares to current service limits?

A. AWS Trusted Advisor
B. Amazon Inspector
C. AWS Config
D. AWS Organizations

Answer: A

NEW QUESTION 8
- (Exam Topic 1)
A database is running on an Amazon RDS Mufti-AZ DB instance. A recent security audit found the database to be out of compliance because it was not encrypted.
Which approach will resolve the encryption requirement?

A. Log in to the RDS console and select the encryption box to encrypt the database
B. Create a new encrypted Amazon EBS volume and attach it to the instance
C. Encrypt the standby replica in the secondary Availability Zone and promote it to the primary instance.
D. Take a snapshot of the RDS instance, copy and encrypt the snapshot and then restore to the new RDS instance

Answer: D

NEW QUESTION 9
- (Exam Topic 1)
A SysOps administrator must create a solution that immediately notifies software developers if an AWS Lambda function experiences an error.
Which solution will meet this requirement?

A. Create an Amazon Simple Notification Service (Amazon SNS) topic with an email subscription for each develope
B. Create an Amazon CloudWatch alarm by using the Errors metric and the Lambda function name as a dimensio
C. Configure the alarm to send a notification to the SNS topic when the alarm state reaches ALARM.
D. Create an Amazon Simple Notification Service (Amazon SNS) topic with a mobile subscription for each develope
E. Create an Amazon EventBridge (Amazon CloudWatch Events) alarm by using LambdaError as the event pattern and the SNS topic name as a resourc
F. Configure the alarm to send a notification to the SNS topic when the alarm state reaches ALARM.
G. Verify each developer email address in Amazon Simple Email Service (Amazon SES). Create an Amazon CloudWatch rule by using the LambdaError metric and developer email addresses as dimension
H. Configure the rule to send an email through Amazon SES when the rule state reaches ALARM.
I. Verify each developer mobile phone in Amazon Simple Email Service {Amazon SES). Create an Amazon EventBridge (Amazon CloudWatch Events) rule by using Errors as the event pattern and the Lambda function name as a resourc
J. Configure the rule to send a push notification through Amazon SES when the rule state reaches ALARM.

Answer: A

NEW QUESTION 10
- (Exam Topic 1)
A company has multiple AWS Site-to-Site VPN connections between a VPC and its branch offices. The company manages an Amazon Elasticsearch Service (Amazon ES) domain that is configured with public
access. The Amazon ES domain has an open domain access policy. A SysOps administrator needs to ensure that Amazon ES can be accessed only from the branch offices while preserving existing data.
Which solution will meet these requirements?

A. Configure an identity-based access policy on Amazon E
B. Add an allow statement to the policy that includes the Amazon Resource Name (ARN) for each branch office VPN connection.
C. Configure an IP-based domain access policy on Amazon E
D. Add an allow statement to the policy that includes the private IP CIDR blocks from each branch office network.
E. Deploy a new Amazon ES domain in private subnets in a VPC, and import a snapshot from the old domai
F. Create a security group that allows inbound traffic from the branch office CIDR blocks.
G. Reconfigure the Amazon ES domain in private subnets in a VP
H. Create a security group that allows inbound traffic from the branch office CIDR blocks.

Answer: B

NEW QUESTION 10
- (Exam Topic 1)
A company is partnering with an external vendor to provide data processing services. For this integration, the vendor must host the company's data in an Amazon S3 bucket in the vendor's AWS account. The vendor is allowing the company to provide an AWS Key Management Service (AWS KMS) key to encrypt the company's data. The vendor has provided an IAM role Amazon Resource Name (ARN) to the company for this integration.
What should a SysOps administrator do to configure this integration?

A. Create a new KMS ke
B. Add the vendor's IAM role ARN to the KMS key polic
C. Provide the new KMS key ARN to the vendor.
D. Create a new KMS ke
E. Create a new IAM use
F. Add the vendor's IAM role ARN to an inline policy that is attached to the IAM use
G. Provide the new IAM user ARN to the vendor.
H. Configure encryption using the KMS managed S3 ke
I. Add the vendor's IAM role ARN to the KMS managed S3 key polic
J. Provide the KMS managed S3 key ARN to the vendor.
K. Configure encryption using the KMS managed S3 ke
L. Create an S3 bucke
M. Add the vendor's IAM role ARN to the S3 bucket polic
N. Provide the S3 bucket ARN to the vendor.

Answer: C

NEW QUESTION 11
- (Exam Topic 1)
A company runs a stateless application that is hosted on an Amazon EC2 instance. Users are reporting performance issues. A SysOps administrator reviews the Amazon CloudWatch metrics for the application and notices that the instance's CPU utilization frequently reaches 90% during business hours.
What is the MOST operationally efficient solution that will improve the application's responsiveness?

A. Configure CloudWatch logging on the EC2 instanc
B. Configure a CloudWatch alarm for CPU utilization to alert the SysOps administrator when CPU utilization goes above 90%.
C. Configure an AWS Client VPN connection to allow the application users to connect directly to the EC2 instance private IP address to reduce latency.
D. Create an Auto Scaling group, and assign it to an Application Load Balance
E. Configure a target tracking scaling policy that is based on the average CPU utilization of the Auto Scaling group.
F. Create a CloudWatch alarm that activates when the EC2 instance's CPU utilization goes above 80%.Configure the alarm to invoke an AWS Lambda function that vertically scales the instance.

Answer: C

NEW QUESTION 15
- (Exam Topic 1)
A company has two VPC networks named VPC A and VPC B. The VPC A CIDR block is 10.0.0.0/16 and the VPC B CIDR block is 172.31.0.0/16. The company wants to establish a VPC peering connection named
pcx-12345 between both VPCs.
Which rules should appear in the route table of VPC A after configuration? (Select TWO.)

A. Destination: 10.0.0.0/16, Target: Local
B. Destination: 172.31.0.0/16, Target: Local
C. Destination: 10.0.0.0/16, Target: pcx-12345
D. Destination: 172.31.0.0/16, Target: pcx-12345
E. Destination: 10.0.0.0/16. Target: 172.31.0.0/16

Answer: AD

Explanation:
https://docs.aws.amazon.com/vpc/latest/peering/vpc-peering-routing.html

NEW QUESTION 16
- (Exam Topic 1)
A SysOps administrator is reviewing AWS Trusted Advisor recommendations. The SysOps administrator notices that all the application servers for a finance application are listed in the Low Utilization Amazon EC2 Instances check. The application runs on three instances across three Availability Zones. The SysOps administrator must reduce the cost of running the application without affecting the application's availability or design.
Which solution will meet these requirements?

A. Reduce the number of application servers.
B. Apply rightsizing recommendations from AWS Cost Explorer to reduce the instance size.
C. Provision an Application Load Balancer in front of the instances.
D. Scale up the instance size of the application servers.

Answer: C

NEW QUESTION 18
- (Exam Topic 1)
A SysOps administrator needs to create alerts that are based on the read and write metrics of Amazon Elastic Block Store (Amazon EBS) volumes that are attached to an Amazon EC2 instance. The SysOps administrator creates and enables Amazon CloudWatch alarms for the DiskReadBytes metric and the DiskWriteBytes metric.
A custom monitoring tool that is installed on the EC2 instance with the same alarm configuration indicates that the volume metrics have exceeded the threshold. However, the CloudWatch alarms were not in ALARM state.
Which action will ensure that the CloudWatch alarms function correctly?

A. Install and configure the CloudWatch agent on the EC2 instance to capture the desired metrics.
B. Install and configure AWS Systems Manager Agent on the EC2 instance to capture the desired metrics.
C. Reconfigure the CloudWatch alarms to use the VolumeReadBytes metric and the VolumeWriteBytes metric for the EBS volumes.
D. Reconfigure the CloudWatch alarms to use the VolumeReadBytes metric and the VolumeWriteBytes metric for the EC2 instance.

Answer: A

NEW QUESTION 20
- (Exam Topic 1)
A company needs to implement a managed file system to host Windows file shares for users on premises. Resources in the AWS Cloud also need access to the data on these file shares. A SysOps administrator needs to present the user file shares on premises and make the user file shares available on AWS with minimum latency.
What should the SysOps administrator do to meet these requirements?

A. Set up an Amazon S3 File Gateway.
B. Set up an AWS Direct Connect connection.
C. Use AWS DataSync to automate data transfers between the existing file servers and AWS.
D. Set up an Amazon FSx File Gateway.

Answer: D

Explanation:
Amazon FSx provides a fully managed file system that is optimized for Windows-based workloads and can be used to create file shares that can be accessed both on premises and in the AWS Cloud. The file shares that are created in Amazon FSx are highly available and can be accessed with low latency. Additionally, Amazon FSx supports Windows-based authentication, making it easy to integrate with existing Windows user accounts.
References:
[1] https://aws.amazon.com/fsx/
[2] https://aws.amazon.com/storage/file-storage/
[3] https://docs.aws.a

NEW QUESTION 21
- (Exam Topic 1)
A company wants to build a solution for its business-critical Amazon RDS for MySQL database. The database requires high availability across different geographic locations. A SysOps administrator must build a solution to handle a disaster recovery (DR) scenario with the lowest recovery time objective (RTO) and recovery point objective (RPO).
Which solution meets these requirements?

A. Create automated snapshots of the database on a schedul
B. Copy the snapshots to the DR Region.
C. Create a cross-Region read replica for the database.
D. Create a Multi-AZ read replica for the database.
E. Schedule AWS Lambda functions to create snapshots of the source database and to copy the snapshots to a DR Region.

Answer: B

NEW QUESTION 22
- (Exam Topic 1)
A company wants to create an automated solution for all accounts managed by AWS Organizations to detect any worry groups that urn 0.0.0.0/0 as the source address for inbound traffic. The company also wants to automatically remediate any noncompliant security groups by restricting access to a specific CIDR block corresponds with the company's intranet.

A. Create an AWS Config rule to detect noncompliant security group
B. Set up automatic remediation to change the 0.0.0.0/0 source address to the approved CIDK block.
C. Create an IAM policy to deny the creation of security groups that have 0.0.0.0/0 as the source address Attach this 1AM policy to every user in the company.
D. Create an AWS Lambda function to inspect now and existing security groups check for a noncompliant 0.0.0.0A) source address and change the source address to the approved CIDR block.

E. Create a service control policy (SCP) for the organizational unit (OU) to deny the creation of security groups that have the 0.0.0.0/0 source addres
F. Set up automatic remediation to change Vie 0.0.0.0/0 source address to the approved CIDR block.

Answer: A

NEW QUESTION 26
- (Exam Topic 1)
A company uses an Amazon S3 bucket to store data files. The S3 bucket contains hundreds of objects. The company needs to replace a tag on all the objects in the S3 bucket with another tag.
What is the MOST operationally efficient way to meet this requirement?

A. Use S3 Batch Operation
B. Specify the operation to replace all object tags.
C. Use the AWS CLI to get the tags for each objec
D. Save the tags in a lis
E. Use S3 Batch Operations.Specify the operation to delete all object tag
F. Use the AWS CLI and the list to retag the objects.
G. Use the AWS CLI to get the tags for each objec
H. Save the tags in a lis
I. Use the AWS CLI and the list to remove the object tag
J. Use the AWS CLI and the list to retag the objects.
K. Use the AWS CLI to copy the objects to another S3 bucke
L. Add the new tag to the copied objects.Delete the original objects.

Answer: A

Explanation:
Ref. https://aws.amazon.com/es/blogs/storage/adding-and-removing-object-tags-with-s3-batch-operations/

NEW QUESTION 29
- (Exam Topic 1)
A company with multiple AWS accounts needs to obtain recommendations for AWS Lambda functions and identify optimal resource configurations for each Lambda function. How should a SysOps administrator provide these recommendations?

A. Create an AWS Serverless Application Repository and export the Lambda function recommendations.
B. Enable AWS Compute Optimizer and export the Lambda function recommendations
C. Enable all features of AWS Organization and export the recommendations from AWS CloudTrailInsights.
D. Run AWS Trusted Advisor and export the Lambda function recommendations

Answer: B

NEW QUESTION 34
- (Exam Topic 1)
A company's financial department needs to view the cost details of each project in an AWS account A SysOps administrator must perform the initial configuration that is required to view cost for each project in Cost Explorer
Which solution will meet this requirement?

A. Activate cost allocation tags Add a project tag to the appropriate resources
B. Configure consolidated billing Create AWS Cost and Usage Reports
C. Use AWS Budgets Create AWS Budgets reports
D. Use cost categories to define custom groups that are based on AWS cost and usage dimensions

Answer: A

NEW QUESTION 36
- (Exam Topic 1)
A company is hosting applications on Amazon EC2 instances. The company is hosting a database on an Amazon RDS for PostgreSQL DB instance. The company requires all connections to the DB instance to be encrypted.
What should a SysOps administrator do to meet this requirement?

A. Allow SSL connections to the database by using an inbound security group rule.
B. Encrypt the database by using an AWS Key Management Service (AWS KMS) encryption key.
C. Enforce SSL connections to the database by using a custom parameter group.
D. Patch the database with SSL/TLS by using a custom PostgreSQL extension.

Answer: C

Explanation:
https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/PostgreSQL.Concepts.General.SSL.htm Amazon RDS supports SSL/TLS encryption for connections to the database, and this can be enabled by
creating a custom parameter group and setting the rds.force_ssl parameter to 1. This will ensure that all connections to the database are encrypted, protecting the data and maintaining compliance with the company's
requirements.l

NEW QUESTION 37
- (Exam Topic 1)
A development team recently deployed a new version of a web application to production After the release, penetration testing revealed a cross-site scripting vulnerability that could expose user data

Which AWS service will mitigate this issue?

A. AWS Shield Standard
B. AWS WAF
C. Elastic Load Balancing
D. Amazon Cognito

Answer: B

Explanation:
https://www.imperva.com/learn/application-security/cross-site-scripting-xss-attacks/

NEW QUESTION 40
- (Exam Topic 1)
A SysOps administrator is setting up an automated process to recover an Amazon EC2 instance In the event of an underlying hardware failure. The recovered instance must have the same private IP address and the same Elastic IP address that the original instance had. The SysOps team must receive an email notification when the recovery process is initiated.
Which solution will meet these requirements?

A. Create an Amazon CloudWatch alarm for the EC2 instance, and specify the SiatusCheckFailedjnstance metri
B. Add an EC2 action to the alarm to recover the instanc
C. Add an alarm notification to publish a message to an Amazon Simple Notification Service (Amazon SNS> topi
D. Subscribe the SysOps team email address to the SNS topic.
E. Create an Amazon CloudWatch alarm for the EC2 Instance, and specify the StatusCheckFailed_System metri
F. Add an EC2 action to the alarm to recover the instanc
G. Add an alarm notification to publish a message to an Amazon Simple Notification Service (Amazon SNS) topi
H. Subscribe the SysOps team email address to the SNS topic.
I. Create an Auto Scaling group across three different subnets in the same Availability Zone with a minimum, maximum, and desired size of 1. Configure the Auto Seating group to use a launch template that specifies the private IP address and the Elastic IP addres
J. Add an activity notification for the Auto Scaling group to send an email message to the SysOps team through Amazon Simple Email Service (Amazon SES).
K. Create an Auto Scaling group across three Availability Zones with a minimum, maximum, and desired size of 1. Configure the Auto Scaling group to use a launch template that specifies the private IP addressand the Elastic IP addres
L. Add an activity notification for the Auto Scaling group to publish a message to an Amazon Simple Notification Service (Amazon SNS) topi
M. Subscribe the SysOps team email address to the SNS topic.

Answer: B

Explanation:
You can create an Amazon CloudWatch alarm that monitors an Amazon EC2 instance and automatically recovers the instance if it becomes impaired due to an underlying hardware failure or a problem that requires AWS involvement to repair. Terminated instances cannot be recovered. A recovered instance is identical to the original instance, including the instance ID, private IP addresses, Elastic IP addresses, and all instance metadata. If the impaired instance has a public IPv4 address, the instance retains the public IPv4 address after recovery. If the impaired instance is in a placement group, the recovered instance runs in the placement group. When the StatusCheckFailed_System alarm is triggered, and the recover action is initiated, you will be notified by the Amazon SNS topic that you selected when you created the alarm and associated the recover action. https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-instance-recover.html

NEW QUESTION 43
- (Exam Topic 1)
A company's web application is available through an Amazon CloudFront distribution and directly through an internet-facing Application Load Balancer (ALB) A SysOps administrator must make the application accessible only through the CloudFront distribution and not directly through the ALB. The SysOps administrator must make this change without changing the application code
Which solution will meet these requirements?

A. Modify the ALB type to internal Set the distribution's origin to the internal ALB domain name
B. Create a Lambda@Edge function Configure the function to compare a custom header value in the request with a stored password and to forward the request to the origin in case of a match Associate the function with the distribution.
C. Replace the ALB with a new internal ALB Set the distribution's origin to the internal ALB domain name Add a custom HTTP header to the origin settings for the distribution In the ALB listener add a rule to forward requests that contain the matching custom header and the header's value Add a default rule to return a fixed response code of 403.
D. Add a custom HTTP header to the origin settings for the distribution in the ALB listener add a rule to forward requests that contain the matching custom header and the header's value Add a default rule to return a fixed response code of 403.

Answer: D

Explanation:
To make the application accessible only through the CloudFront distribution and not directly through the Application Load Balancer (ALB), you can add a custom HTTP header to the origin settings for the CloudFront distribution. You can then create a rule in the ALB listener to forward requests that contain the matching custom header and its value to the origin. You can also add a default rule to the ALB listener to return a fixed response code of 403 for requests that do not contain the matching custom header. This will allow you to redirect all requests to the CloudFront distribution and block direct access to the application through the ALB.
https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/restrict-access-to-load-balancer.html

NEW QUESTION 46
- (Exam Topic 1)
A SysOps administrator notices a scale-up event for an Amazon EC2 Auto Scaling group Amazon CloudWatch shows a spike in the RequestCount metric for the associated Application Load Balancer The administrator would like to know the IP addresses for the source of the requests
Where can the administrator find this information?

A. Auto Scaling logs
B. AWS CloudTrail logs
C. EC2 instance logs
D. Elastic Load Balancer access logs

Answer: D

Explanation:
Elastic Load Balancing provides access logs that capture detailed information about requests sent to your load balancer. Each log contains information such as the time the request was received, the client's IP address, latencies, request paths, and server responses. You can use these access logs to analyze traffic patterns and troubleshoot issues.
https://docs.aws.amazon.com/elasticloadbalancing/latest/application/load-balancer-access-logs.html

NEW QUESTION 50
- (Exam Topic 1)
A SysOps administrator created an Amazon VPC with an IPv6 CIDR block, which requires access to the internet. However, access from the internet towards the VPC is prohibited. After adding and configuring the required components to the VPC. the administrator is unable to connect to any of the domains that reside on the internet.
What additional route destination rule should the administrator add to the route tables?

A. Route ;:/0 traffic to a NAT gateway
B. Route ::/0 traffic to an internet gateway
C. Route 0.0.0.0/0 traffic to an egress-only internet gateway
D. Route ::/0 traffic to an egress-only internet gateway

Answer: D

Explanation:
https://docs.aws.amazon.com/vpc/latest/userguide/egress-only-internet-gateway.html

NEW QUESTION 55
- (Exam Topic 1)
While setting up an AWS managed VPN connection, a SysOps administrator creates a customer gateway resource in AWS The customer gateway device resides in a data center with a NAT gateway in front of it
What address should be used to create the customer gateway resource?

A. The private IP address of the customer gateway device
B. The MAC address of the NAT device in front of the customer gateway device
C. The public IP address of the customer gateway device
D. The public IP address of the NAT device in front of the customer gateway device

Answer: D

NEW QUESTION 57
- (Exam Topic 1)
A company uses AWS CloudFormation to deploy its application infrastructure Recently, a user accidentally changed a property of a database in a CloudFormation template and performed a stack update that caused an interruption to the application A SysOps administrator must determine how to modify the deployment process to allow the DevOps team to continue to deploy the infrastructure, but prevent against accidental modifications to specific resources.
Which solution will meet these requirements?

A. Set up an AWS Config rule to alert based on changes to any CloudFormation stack An AWS Lambda function can then describe the stack to determine if any protected resources were modified and cancel the operation
B. Set up an Amazon CloudWatch Events event with a rule to trigger based on any CloudFormation API call An AWS Lambda function can then describe the stack to determine if any protected resources were modified and cancel the operation
C. Launch the CloudFormation templates using a stack policy with an explicit allow for all resources and an explicit deny of the protected resources with an action of Update
D. Attach an IAM policy to the DevOps team role that prevents a CloudFormation stack from updating, with a condition based on the specific Amazon Resource Names (ARNs) of the protected resources

Answer: B

NEW QUESTION 62
- (Exam Topic 1)
A company uses an AWS CloudFormation template to provision an Amazon EC2 instance and an Amazon RDS DB instance A SysOps administrator must update the template to ensure that the DB instance is created before the EC2 instance is launched
What should the SysOps administrator do to meet this requirement?

A. Add a wait condition to the template Update the EC2 instance user data script to send a signal after the EC2 instance is started
B. Add the DependsOn attribute to the EC2 instance resource, and provide the logical name of the RDS resource
C. Change the order of the resources in the template so that the RDS resource is listed before the EC2 instance resource
D. Create multiple templates Use AWS CloudFormation StackSets to wait for one stack to complete before the second stack is created

Answer: B

Explanation:
https://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/aws-attribute-dependson.html Syntax The DependsOn attribute can take a single string or list of strings. "DependsOn" : [String, ...]
Example The following template contains an AWS::EC2::Instance resource with a DependsOn attribute that specifies myDB, an AWS::RDS::DBInstance. When CloudFormation creates this stack, it first creates myDB, then creates Ec2Instance.

NEW QUESTION 66
- (Exam Topic 1)
A SysOps administrator launches an Amazon EC2 Linux instance in a public subnet. When the instance is running, the SysOps administrator obtains the public IP

address and attempts to remotely connect to the instance multiple times. However, the SysOps administrator always receives a timeout error.
Which action will allow the SysOps administrator to remotely connect to the instance?

A. Add a route table entry in the public subnet for the SysOps administrator's IP address.
B. Add an outbound network ACL rule to allow TCP port 22 for the SysOps administrator's IP address.
C. Modify the instance security group to allow inbound SSH traffic from the SysOps administrator's IP address.
D. Modify the instance security group to allow outbound SSH traffic to the SysOps administrator's IP address.

Answer: C

NEW QUESTION 67
- (Exam Topic 1)
An organization created an Amazon Elastic File System (Amazon EFS) volume with a file system ID of
fs-85ba4Kc. and it is actively used by 10 Amazon EC2 hosts The organization has become concerned that the file system is not encrypted
How can this be resolved?

A. Enable encryption on each host's connection to the Amazon EFS volume Each connection must be recreated for encryption to take effect
B. Enable encryption on the existing EFS volume by using the AWS Command Line Interface
C. Enable encryption on each host's local drive Restart each host to encrypt the drive
D. Enable encryption on a newly created volume and copy all data from the original volume Reconnect each host to the new volume

Answer: D

Explanation:
https://docs.aws.amazon.com/efs/latest/ug/encryption.html
Amazon EFS supports two forms of encryption for file systems, encryption of data in transit and encryption at rest. You can enable encryption of data at rest when creating an Amazon EFS file system. You can enable encryption of data in transit when you mount the file system.

NEW QUESTION 68
- (Exam Topic 1)
A company’s reporting job that used to run in 15 minutes is now taking an hour to run. An application generates the reports. The application runs on Amazon EC2 instances and extracts data from an Amazon RDS for MySQL database.
A SysOps administrator checks the Amazon CloudWatch dashboard for the RDS instance and notices that the Read IOPS metrics are high, even when the reports are not running. The SysOps administrator needs to improve the performance and the availability of the RDS instance.
Which solution will meet these requirements?

A. Configure an Amazon ElastiCache cluster in front of the RDS instanc
B. Update the reporting job to query the ElastiCache cluster.
C. Deploy an RDS read replic
D. Update the reporting job to query the reader endpoint.
E. Create an Amazon CloudFront distributio
F. Set the RDS instance as the origi
G. Update the reporting job to query the CloudFront distribution.
H. Increase the size of the RDS instance.

Answer: B

Explanation:
Using an RDS read replica will improve the performance and availability of the RDS instance by offloading read queries to the replica. This will also ensure that the reporting job completes in a timely manner and does not affect the performance of other queries that might be running on the RDS instance. Additionally, updating the reporting job to query the reader endpoint will ensure that all read queries are directed to the read replica.
Reference: [1] https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER_ReadRepl.html

NEW QUESTION 73
- (Exam Topic 1)
A SysOps administrator is testing an application mat is hosted on five Amazon EC2 instances The instances run in an Auto Scaling group behind an Application Load Balancer (ALB) High CPU utilization during load testing is causing the Auto Scaling group to scale out. The SysOps administrator must troubleshoot to find the root cause of the high CPU utilization before the Auto Scaling group scales out.
Which action should the SysOps administrator take to meet these requirements?

A. Enable instance scale-in protection.
B. Place the instance into the Standby stale.
C. Remove the listener from the ALB
D. Suspend the Launch and Terminate process types.

Answer: A

NEW QUESTION 77
- (Exam Topic 1)
A SysOps administrator is responsible for a legacy. CPU-heavy application The application can only be scaled vertically Currently, the application is deployed on a single t2 large Amazon EC2 instance The system is showing 90% CPU usage and significant performance latency after a few minutes
What change should be made to alleviate the performance problem?

A. Change the Amazon EBS volume to Provisioned lOPs
B. Upgrade to a compute-optimized instance
C. Add additional 12 large instances to the application
D. Purchase Reserved Instances

Answer: B

NEW QUESTION 81
- (Exam Topic 1)
A company has a stateless application that is hosted on a fleet of 10 Amazon EC2 On-Demand Instances in an Auto Scaling group. A minimum of 6 instances are needed to meet service requirements.
Which action will maintain uptime for the application MOST cost-effectively?

A. Use a Spot Fleet with an On-Demand capacity of 6 instances.
B. Update the Auto Scaling group with a minimum of 6 On-Demand Instances and a maximum of 10 On-Demand Instances.
C. Update the Auto Scaling group with a minimum of 1 On-Demand Instance and a maximum of 6 On-Demand Instances.
D. Use a Spot Fleet with a target capacity of 6 instances.

Answer: A

NEW QUESTION 82
- (Exam Topic 1)
A SysOps administrator Is troubleshooting an AWS Cloud Formation template whereby multiple Amazon EC2 instances are being created The template is working In us-east-1. but it is failing In us-west-2 with the error code:

```
AMI [ami-12345678] does not exist
```

How should the administrator ensure that the AWS Cloud Formation template is working in every region?

A. Copy the source region's Amazon Machine Image (AMI) to the destination region and assign it the same ID.
B. Edit the AWS CloudFormatton template to specify the region code as part of the fully qualified AMI ID.
C. Edit the AWS CloudFormatton template to offer a drop-down list of all AMIs to the user by using the aws :: EC2:: ami :: imageiD control.
D. Modify the AWS CloudFormation template by including the AMI IDs in the "Mappings" sectio
E. Refer to the proper mapping within the template for the proper AMI ID.

Answer: A

NEW QUESTION 87
- (Exam Topic 1)
A company must ensure that any objects uploaded to an S3 bucket are encrypted. Which of the following actions will meet this requirement? (Choose two.)

A. Implement AWS Shield to protect against unencrypted objects stored in S3 buckets.
B. Implement Object access control list (ACL) to deny unencrypted objects from being uploaded to the S3 bucket.
C. Implement Amazon S3 default encryption to make sure that any object being uploaded is encrypted before it is stored.
D. Implement Amazon Inspector to inspect objects uploaded to the S3 bucket to make sure that they are encrypted.
E. Implement S3 bucket policies to deny unencrypted objects from being uploaded to the buckets.

Answer: CE

Explanation:
https://docs.aws.amazon.com/AmazonS3/latest/userguide/default-bucket-encryption.html
You can set the default encryption behavior on an Amazon S3 bucket so that all objects are encrypted when they are stored in the bucket. The objects are encrypted using server-side encryption with either Amazon S3-managed keys (SSE-S3) or AWS Key Management Service (AWS KMS) customer master keys (CMKs).
https://aws.amazon.com/blogs/security/how-to-prevent-uploads-of-unencrypted-objects-to-amazon-s3/ How to Prevent Uploads of Unencrypted Objects to Amazon S3#
By using an S3 bucket policy, you can enforce the encryption requirement when users upload objects, instead of assigning a restrictive IAM policy to all users.

NEW QUESTION 91
- (Exam Topic 1)
A company has multiple Amazon EC2 instances that run a resource-intensive application in a development environment. A SysOps administrator is implementing a solution to stop these EC2 instances when they are not in use.
Which solution will meet this requirement?

A. Assess AWS CloudTrail logs to verify that there is no EC2 API activit
B. Invoke an AWS Lambda function to stop the EC2 instances.
C. Create an Amazon CloudWatch alarm to stop the EC2 instances when the average CPU utilization is lower than 5% for a 30-minute period.
D. Create an Amazon CloudWatch metric to stop the EC2 instances when the VolumeReadBytes metric is lower than 500 for a 30-minute period.
E. Use AWS Config to invoke an AWS Lambda function to stop the EC2 instances based on resource configuration changes.

Answer: B

Explanation:
https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/UsingAlarmActions.html#AddingStopActi

NEW QUESTION 95
- (Exam Topic 1)
A company creates custom AMI images by launching new Amazon EC2 instances from an AWS CloudFormation template it installs and configure necessary software through AWS OpsWorks and takes images of each EC2 instance. The process of installing and configuring software can take between 2 to 3 hours but at limes the process stalls due to installation errors.
The SysOps administrator must modify the CloudFormation template so if the process stalls, the entire stack will tail and roil back.
Based on these requirements what should be added to the template?

A. Conditions with a timeout set to 4 hours.
B. CreationPolicy with timeout set to 4 hours.

C. DependsOn a timeout set to 4 hours.
D. Metadata with a timeout set to 4 hours

Answer: B

NEW QUESTION 96
- (Exam Topic 1)
A SysOps administrator receives notification that an application that is running on Amazon EC2 instances has failed to authenticate to an Amazon RDS database
To troubleshoot, the SysOps administrator needs to investigate AWS Secrets Manager password rotation
Which Amazon CloudWatch log will provide insight into the password rotation?

A. AWS CloudTrail logs
B. EC2 instance application logs
C. AWS Lambda function logs
D. RDS database logs

Answer: B

NEW QUESTION 98
- (Exam Topic 1)
A company recently acquired another corporation and all of that corporation's AWS accounts. A financial analyst needs the cost data from these accounts. A SysOps administrator uses Cost Explorer to generate cost and usage reports. The SysOps administrator notices that "No Tagkey" represents 20% of the monthly cost.
What should the SysOps administrator do to tag the "No Tagkey" resources?

A. Add the accounts to AWS Organization
B. Use a service control policy (SCP) to tag all the untagged resources.
C. Use an AWS Config rule to find the untagged resource
D. Set the remediation action to terminate the resources.
E. Use Cost Explorer to find and tag all the untagged resources.
F. Use Tag Editor to find and taq all the untaqqed resources.

Answer: D

Explanation:
"You can add tags to resources when you create the resource. You can use the resource's service console or API to add, change, or remove those tags one resource at a time. To add tags to—or edit or delete tags
of—multiple resources at once, use Tag Editor. With Tag Editor, you search for the resources that you want to tag, and then manage tags for the resources in your search results." https://docs.aws.amazon.com/ARG/latest/userguide/tag-editor.html

NEW QUESTION 99
- (Exam Topic 1)
A company has an Amazon RDS DB instance. The company wants to implement a caching service while maintaining high availability.
Which combination of actions will meet these requirements? (Choose two.)

A. Add Auto Discovery to the data store.
B. Create an Amazon ElastiCache for Memcached data store.
C. Create an Amazon ElastiCache for Redis data store.
D. Enable Multi-AZ for the data store.
E. Enable Multi-threading for the data store.

Answer: CD

Explanation:
https://aws.amazon.com/elasticache/memcached/ https://aws.amazon.com/elasticache/redis/

NEW QUESTION 101
- (Exam Topic 1)
A company asks a SysOps administrator to ensure that AWS CloudTrail files are not tampered with after they are created. Currently, the company uses AWS Identity and Access Management (IAM) to restrict access to specific trails. The company's security team needs the ability to trace the integrity of each file.
What is the MOST operationally efficient solution that meets these requirements?

A. Create an Amazon EventBridge (Amazon CloudWatch Events) rule that invokes an AWS Lambda function when a new file is delivere
B. Configure the Lambda function to compute an MD5 hash check on the file and store the result in an Amazon DynamoDB tabl
C. The security team can use the values that are stored in DynamoDB to verify the integrity of the delivered files.
D. Create an AWS Lambda function that is invoked each time a new file is delivered to the CloudTrail bucke
E. Configure the Lambda function to compute an MD5 hash check on the file and store the result as a tag in an Amazon S3 objec
F. The security team can use the information in the tag to verify the integrity of the delivered files.
G. Enable the CloudTrail file integrity feature on an Amazon S3 bucke
H. Create an IAM policy that grants the security team access to the file integrity logs that are stored in the S3 bucket.
I. Enable the CloudTrail file integrity feature on the trai
J. The security team can use the digest file that is created by CloudTrail to verify the integrity of the delivered files.

Answer: D

Explanation:
https://docs.aws.amazon.com/awscloudtrail/latest/userguide/cloudtrail-log-file-validation-intro.html "When you enable log file integrity validation, CloudTrail creates a hash for every log file that it delivers.
Every hour, CloudTrail also creates and delivers a file that references the log files for the last hour and contains a hash of each. This file is called a digest file.

Validated log files are invaluable in security and forensic investigations"

NEW QUESTION 105
- (Exam Topic 1)
A company is using Amazon Elastic File System (Amazon EFS) to share a file system among several Amazon EC2 instances. As usage increases, users report that file retrieval from the EFS file system is slower than normal.
Which action should a SysOps administrator take to improve the performance of the file system?

A. Configure the file system for Provisioned Throughput.
B. Enable encryption in transit on the file system.
C. Identify any unused files in the file system, and remove the unused files.
D. Resize the Amazon Elastic Block Store (Amazon EBS) volume of each of the EC2 instances.

Answer: A

NEW QUESTION 110
- (Exam Topic 1)
A company uses AWS Organizations to manage multiple AWS accounts. The company's SysOps team has been using a manual process to create and manage 1AM roles. The team requires an automated solution to create and manage the necessary 1AM roles for multiple AWS accounts.
What is the MOST operationally efficient solution that meets these requirements?

A. Create AWS CloudFormation template
B. Reuse the templates to create the necessary 1AM roles in each of the AWS accounts.
C. Use AWS Directory Service with AWS Organizations to automatically associate the necessary 1AM roles with Microsoft Active Directory users.
D. Use AWS Resource Access Manager with AWS Organizations to deploy and manage shared resources across the AWS accounts.
E. Use AWS CloudFormation StackSets with AWS Organizations to deploy and manage 1AM roles for the AWS accounts.

Answer: D

NEW QUESTION 115
- (Exam Topic 1)
A company has deployed a web application in a VPC that has subnets in three Availability Zones. The company launches three Amazon EC2 instances from an EC2 Auto Scaling group behind an Application Load Balancer (ALB).
A SysOps administrator notices that two of the EC2 instances are in the same Availability Zone, rather than being distributed evenly across all three Availability Zones. There are no errors in the Auto Scaling group's activity history.
What is the MOST likely reason for the unexpected placement of EC2 instances?

A. One Availability Zone did not have sufficient capacity for the requested EC2 instance type.
B. The ALB was configured for only two Availability Zones.
C. The Auto Scaling group was configured for only two Availability Zones.
D. Amazon EC2 Auto Scaling randomly placed the instances in Availability Zones.

Answer: C

Explanation:
the autoscaling group is responsable to add the instances in the subnets

NEW QUESTION 116
- (Exam Topic 1)
An organization is running multiple applications for their customers. Each application is deployed by running a base AWS CloudFormation template that configures a new VPC. All applications are run in the same AWS account and AWS Region. A SysOps administrator has noticed that when trying to deploy the same AWS CloudFormation stack, it fails to deploy. What is likely to be the problem?

A. The Amazon Machine image used is not available in that region.
B. The AWS CloudFormation template needs to be updated to the latest version.
C. The VPC configuration parameters have changed and must be updated in the template.
D. The account has reached the default limit for VPCs allowed.

Answer: D

NEW QUESTION 117
- (Exam Topic 1)
A company is managing multiple AWS accounts in AWS Organizations. The company is reviewing internal security of its AWS environment. The company's security administrator has their own AWS account and wants to review the VPC configuration of developer AWS accounts.
Which solution will meet these requirements in the MOST secure manner?

A. Create an IAM policy in each developer account that has read-only access related to VPC resources Assign the policy to an IAM use
B. Share the user credentials with the security administrator.
C. Create an IAM policy in each developer account that has administrator access to all Amazon EC2 actions, including VPC action
D. Assign the policy to an IAMuse
E. Share the user credentials with the security administrator.
F. Create an IAM policy in each developer account that has administrator access related to VPC resources.Assign the policy to a cross-account IAM rol
G. Ask the security administrator to assume the role from their account.
H. Create an IAM policy in each developer account that has read-only access related to VPC resources Assign the policy to a cross-account IAM role Ask the security administrator to assume the role from their account.

Answer: D

NEW QUESTION 118
- (Exam Topic 1)
An ecommerce company uses an Amazon ElastiCache for Memcached cluster for in-memory caching of popular product queries on the shopping site. When viewing recent Amazon CloudWatch metrics data for the ElastiCache cluster, the SysOps administrator notices a large number of evictions.
Which of the following actions will reduce these evictions? (Choose two.)

A. Add an additional node to the ElastiCache cluster.
B. Increase the ElastiCache time to live (TTL).
C. Increase the individual node size inside the ElastiCache cluster.
D. Put an Elastic Load Balancer in front of the ElastiCache cluster.
E. Use Amazon Simple Queue Service (Amazon SQS) to decouple the ElastiCache cluster.

Answer: AC

Explanation:
https://d1.awsstatic.com/training-and-certification/docs-sysops-associate/AWS-Certified-SysOps-Administrator

NEW QUESTION 123
- (Exam Topic 1)
A company has mandated the use of multi-factor authentication (MFA) for all IAM users, and requires users to make all API calls using the CLI. However. users are not prompted to enter MFA tokens, and are able to run CLI commands without MFA. In an attempt to enforce MFA, the company attached an IAM policy to all users that denies API calls that have not been authenticated with MFA.
What additional step must be taken to ensure that API calls are authenticated using MFA?

A. Enable MFA on IAM roles, and require IAM users to use role credentials to sign API calls.
B. Ask the IAM users to log into the AWS Management Console with MFA before making API calls using the CLI.
C. Restrict the IAM users to use of the console, as MFA is not supported for CLI use.
D. Require users to use temporary credentials from the get-session token command to sign API calls.

Answer: D

NEW QUESTION 128
- (Exam Topic 1)
A company manages an application that uses Amazon ElastiCache for Redis with two extra-large nodes spread across two different Availability Zones. The company's IT team discovers that the ElastiCache for Redis cluster has 75% freeable memory. The application must maintain high availability.
What is the MOST cost-effective way to resize the cluster?

A. Decrease the number of nodes in the ElastiCache for Redis cluster from 2 to 1.
B. Deploy a new ElastiCache for Redis cluster that uses large node type
C. Migrate the data from the original cluster to the new cluste
D. After the process is complete, shut down the original duster.
E. Deploy a new ElastiCache for Redis cluster that uses large node type
F. Take a backup from the original cluster, and restore the backup in the new cluste
G. After the process is complete, shut down the original cluster.
H. Perform an online resizing for the ElastiCache for Redis cluste
I. Change the node types from extra-large nodes to large nodes.

Answer: D

Explanation:
https://docs.aws.amazon.com/AmazonElastiCache/latest/red-ug/scaling-redis-cluster-mode-enabled.html As demand on your clusters changes, you might decide to improve performance or reduce costs by changing the number of shards in your Redis (cluster mode enabled) cluster. We recommend using online horizontal scaling to do so, because it allows your cluster to continue serving requests during the scaling process.
https://docs.aws.amazon.com/AmazonElastiCache/latest/red-ug/redis-cluster-vertical-scaling-scaling-down.html

NEW QUESTION 133
- (Exam Topic 1)
A company stores files on 50 Amazon S3 buckets in the same AWS Region The company wants to connect to the S3 buckets securely over a private connection from its Amazon EC2 instances The company needs a solution that produces no additional cost
Which solution will meet these requirements?

A. Create a gateway VPC endpoint lor each S3 bucket Attach the gateway VPC endpoints to each subnet inside the VPC
B. Create an interface VPC endpoint (or each S3 bucket Attach the interface VPC endpoints to each subnet inside the VPC
C. Create one gateway VPC endpoint for all the S3 buckets Add the gateway VPC endpoint to the VPC route table
D. Create one interface VPC endpoint for all the S3 buckets Add the interface VPC endpoint to the VPC route table

Answer: C

NEW QUESTION 136
- (Exam Topic 1)
A company is running a flash sale on its website. The website is hosted on burstable performance Amazon EC2 instances in an Auto Scaling group. The Auto Scaling group is configured to launch instances when the CPU utilization is above 70%.
A couple of hours into the sale, users report slow load times and error messages for refused connections. A SysOps administrator reviews Amazon CloudWatch metrics and notices that the CPU utilization is at 20% across the entire fleet of instances.
The SysOps administrator must restore the website's functionality without making changes to the network infrastructure.
Which solution will meet these requirements?

A. Activate unlimited mode for the instances in the Auto Scaling group.
B. Implement an Amazon CloudFront distribution to offload the traffic from the Auto Scaling group.

C. Move the website to a different AWS Region that is closer to the users.
D. Reduce the desired size of the Auto Scaling group to artificially increase CPU average utilization.

Answer: B

Explanation:
Implement an Amazon CloudFront distribution to offload the traffic from the Auto Scaling group does not breach the requirement of no changes in the network infrastructure. Reason is that cloudfront is a distribution that allows you to distribute content using a worldwide network of edge locations that provide low latency and high data transfer speeds. It plug in to existing setup, not changes to it.

NEW QUESTION 140
- (Exam Topic 1)
A company has an application that customers use to search for records on a website. The application's data is stored in an Amazon Aurora DB cluster. The application's usage varies by season and by day of the week.
The website's popularity is increasing, and the website is experiencing slower performance because of increased load on the DB cluster during periods of peak activity. The application logs show that the performance issues occur when users are searching for information. The same search is rarely performed multiple times.
A SysOps administrator must improve the performance of the platform by using a solution that maximizes resource efficiency.
Which solution will meet these requirements?

A. Deploy an Amazon ElastiCache for Redis cluster in front of the DB cluste
B. Modify the application to check the cache before the application issues new queries to the databas
C. Add the results of any queries to the cache.
D. Deploy an Aurora Replica for the DB cluste
E. Modify the application to use the reader endpoint for search operation
F. Use Aurora Auto Scaling to scale the number of replicas based on loa
G. Most Voted
H. Use Provisioned IOPS on the storage volumes that support the DB cluster to improve performance sufficiently to support the peak load on the application.
I. Increase the instance size in the DB cluster to a size that is sufficient to support the peak load on the applicatio
J. Use Aurora Auto Scaling to scale the instance size based on load.

Answer: B

Explanation:
https://docs.amazonaws.cn/en_us/AmazonRDS/latest/AuroraUserGuide/aurora-replicas-adding.html

NEW QUESTION 141
- (Exam Topic 1)
A company uploaded its website files to an Amazon S3 bucket that has S3 Versioning enabled. The company uses an Amazon CloudFront distribution with the S3 bucket as the origin. The company recently modified the tiles, but the object names remained the same. Users report that old content is still appearing on the website.
How should a SysOps administrator remediate this issue?

A. Create a CloudFront invalidation, and add the path of the updated files.
B. Create a CloudFront signed URL to update each object immediately.
C. Configure an S3 origin access identity (OAI) to display only the updated files to users.
D. Disable S3 Versioning on the S3 bucket so that the updated files can replace the old files.

Answer: A

NEW QUESTION 144
- (Exam Topic 1)
A company is using an Amazon DynamoDB table for data. A SysOps administrator must configure replication of the table to another AWS Region for disaster recovery.
What should the SysOps administrator do to meet this requirement?

A. Enable DynamoDB Accelerator (DAX).
B. Enable DynamoDB Streams, and add a global secondary index (GSI).
C. Enable DynamoDB Streams, and-add a global table Region.
D. Enable point-in-time recovery.

Answer: C

NEW QUESTION 148
- (Exam Topic 1)
A SysOps administrator is maintaining a web application using an Amazon CloudFront web distribution, an Application Load Balancer (ALB), Amazon RDS, and Amazon EC2 in a VPC. All services have logging enabled. The administrator needs to investigate HTTP
Layer 7 status codes from the web application.
Which log sources contain the status codes? (Choose two.)

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

Answer: CD

Explanation:

"C" because Elastic Load Balancing provides access logs that capture detailed information about requests sent to your load balancer
https://docs.aws.amazon.com/elasticloadbalancing/latest/application/load-balancer-access-logs.html
"D" because "you can configure CloudFront to create log files that contain detailed information about every user request that CloudFront receives"
https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/AccessLogs.html

NEW QUESTION 153
- (Exam Topic 1)
A company stores critical data m Amazon S3 buckets. A SysOps administrator must build a solution to record all S3 API activity. Which action will meet this requirement?

A. Configure S3 bucket metrics to record object access logs
B. Create an AWS CloudTrail trail to log data events tor all S3 objects
C. Enable S3 server access logging for each S3 bucket
D. Use AWS IAM Access Analyzer for Amazon S3 to store object access logs.

Answer: B

NEW QUESTION 156
- (Exam Topic 1)
A company needs to deploy a new workload on AWS. The company must encrypt all data at rest and must rotate the encryption keys once each year. The workload uses an Amazon RDS for MySQL Multi-AZ database for data storage.
Which configuration approach will meet these requirements?

A. Enable Transparent Data Encryption (TDE) in the MySQL configuration fil
B. Manually rotate the key every 12 months.
C. Enable RDS encryption on the database at creation time by using the AWS managed key for Amazon RDS.
D. Create a new AWS Key Management Service (AWS KMS) customer managed ke
E. Enable automatic key rotatio
F. Enable RDS encryption on the database at creation time by using the KMS key.
G. Create a new AWS Key Management Service (AWS KMS) customer managed ke
H. Enable automatic key rotatio
I. Enable encryption on the Amazon Elastic Block Store (Amazon EBS) volumes that are attached to the RDS DB instance.

Answer: C

Explanation:
This configuration approach will meet the requirement of encrypting all data at rest and rotating the encryption keys once each year. By creating a new AWS KMS customer managed key and enabling automatic key rotation, the encryption keys will be rotated automatically every year. By enabling RDS encryption on the database at creation time using the KMS key, all data stored in the RDS for MySQL Multi-AZ database will be encrypted at rest. This approach provide more control over key management and rotation and provide additional security benefits.

NEW QUESTION 157
- (Exam Topic 1)
An application runs on multiple Amazon EC2 instances in an Auto Scaling group The Auto Scaling group is
configured to use the latest version of a launch template A SysOps administrator must devise a solution that centrally manages the application logs and retains the logs for no more than 90 days
Which solution will meet these requirements?

A. Launch an Amazon Machine Image (AMI) that is preconfigured with the Amazon CloudWatch Logs agent to send logs to an Amazon S3 bucket Apply a 90-day S3 Lifecycle policy on the S3 bucket to expire the application logs
B. Launch an Amazon Machine Image (AMI) that is preconfigured with the Amazon CloudWatch Logs agent to send logs to a log group Create an Amazon EventBridge (Amazon CloudWatch Events) scheduled rule to perform an instance refresh every 90 days
C. Update the launch template user data to install and configure the Amazon CloudWatch Logs agent to send logs to a log group Configure the retention period on the log group to be 90 days
D. Update the launch template user data to install and configure the Amazon CloudWatch Logs agent to send logs to a log group Set the log rotation configuration of the EC2 instances to 90 days

Answer: C

NEW QUESTION 162
- (Exam Topic 1)
A SysOps administrator must configure a resilient tier of Amazon EC2 instances for a high performance computing (HPC) application. The HPC application requires minimum latency between nodes
Which actions should the SysOps administrator take to meet these requirements? (Select TWO.)

A. Create an Amazon Elastic File System (Amazon EPS) file system Mount the file system to the EC2 instances by using user data
B. Create a Multi-AZ Network Load Balancer in front of the EC2 instances
C. Place the EC2 instances in an Auto Scaling group within a single subnet
D. Launch the EC2 instances into a cluster placement group
E. Launch the EC2 instances into a partition placement group

Answer: AD

NEW QUESTION 166
- (Exam Topic 1)
A SysOps administrator is building a process for sharing Amazon RDS database snapshots between different accounts associated with different business units within the same company. All data must be encrypted at rest.
How should the administrator implement this process?

A. Write a script to download the encrypted snapshot, decrypt it using the AWS KMS encryption key usedto encrypt the snapshot, then create a new volume in each account.
B. Update the key policy to grant permission to the AWS KMS encryption key used to encrypt the snapshot with all relevant accounts, then share the snapshot with those accounts.
C. Create an Amazon EC2 instance based on the snapshot, then save the instance's Amazon EBS volume as a snapshot and share it with the other account
D. Require each account owner to create a new volume from that snapshot and encrypt it.
E. Create a new unencrypted RDS instance from the encrypted snapshot, connect to the instance using SSH/RD
F. export the database contents into a file, then share this file with the other accounts.

Answer: B

NEW QUESTION 170
- (Exam Topic 1)
A company has launched a social media website that gives users the ability to upload images directly to a centralized Amazon S3 bucket. The website is popular in areas that are geographically distant from the AWS Region where the S3 bucket is located. Users are reporting that uploads are slow. A SysOps administrator must improve the upload speed.
What should the SysOps administrator do to meet these requirements?

A. Create S3 access points in Regions that are closer to the users.
B. Create an accelerator in AWS Global Accelerator for the S3 bucket.
C. Enable S3 Transfer Acceleration on the S3 bucket.
D. Enable cross-origin resource sharing (CORS) on the S3 bucket.

Answer: C

Explanation:
You might want to use Transfer Acceleration on a bucket for various reasons: ->Your customers upload to a centralized bucket from all over the world. ->You transfer gigabytes to terabytes of data on a regular basis across continents. ->You can't use all of your available bandwidth over the internet when uploading to Amazon S3." https://docs.aws.amazon.com/AmazonS3/latest/userguide/transfer-acceleration.html

NEW QUESTION 172
- (Exam Topic 1)
A company has a mobile app that uses Amazon S3 to store images The images are popular for a week, and then the number of access requests decreases over time The images must be highly available and must be immediately accessible upon request A SysOps administrator must reduce S3 storage costs for the company Which solution will meet these requirements MOST cost-effectively?

A. Create an S3 Lifecycle policy to transition the images to S3 Glacier after 7 days
B. Create an S3 Lifecycle policy to transition the images to S3 One Zone-Infrequent Access (S3 One Zone-IA) after 7 days
C. Create an S3 Lifecycle policy to transition the images to S3 Standard after 7 days
D. Create an S3 Lifecycle policy to transition the images to S3 Standard-Infrequent Access (S3 Standard-IA) after 7 days

Answer: D

NEW QUESTION 174
- (Exam Topic 1)
A company uses Amazon S3 to aggregate raw video footage from various media teams across the US. The company recently expanded into new geographies in Europe and Australia. The technical teams located in Europe and Australia reported delays when uploading large video tiles into the destination S3 bucket m toe United States.
What are the MOST cost-effective ways to increase upload speeds into the S3 bucket? (Select TWO.)

A. Create multiple AWS Direct Connect connections between AWS and branch offices in Europe and Australia tor He uploads into the destination S3 bucket
B. Create multiple AWS Site-to-Site VPN connections between AWS and branch offices in Europe and Australia for file uploads into the destination S3 bucket.
C. Use Amazon S3 Transfer Acceleration for file uploads into the destination S3 bucket.
D. Use AWS Global Accelerator for file uploads into the destination S3 bucket from the branch offices in Europe and Australia.
E. Use multipart uploads for file uploads into the destination S3 bucket from the branch offices in Europe and Australia.

Answer: CE

NEW QUESTION 178
- (Exam Topic 1)
A company hosts a database on an Amazon RDS Multi-AZ DB instance. The database is not encrypted. The company's new security policy requires all AWS resources to be encrypted at rest and in transit.
What should a SysOps administrator do to encrypt the database?

A. Configure encryption on the existing DB instance.
B. Take a snapshot of the DB instanc
C. Encrypt the snapsho
D. Restore the snapshot to the same DB instance.
E. Encrypt the standby replica in a secondary Availability Zon
F. Promote the standby replica to the primary DB instance.
G. Take a snapshot of the DB instanc
H. Copy and encrypt the snapsho
I. Create a new DB instance by restoring the encrypted copy.

Answer: B

NEW QUESTION 180
- (Exam Topic 1)

A company is storing media content in an Amazon S3 bucket and uses Amazon CloudFront to distribute the content to its users. Due to licensing terms, the company is not authorized to distribute the content in some countries. A SysOps administrator must restrict access to certain countries.
What is the MOST operationally efficient solution that meets these requirements?

A. Configure the S3 bucket policy to deny the GetObject operation based on the S3:LocationConstraint condition.
B. Create a secondary origin access identity (OAI). Configure the S3 bucket policy to prevent access from unauthorized countries.
C. Enable the geo restriction feature in the CloudFront distribution to prevent access from unauthorized countries.
D. Update the application to generate signed CloudFront URLs only for IP addresses in authorized countries.

Answer: C

NEW QUESTION 183
- (Exam Topic 1)
A company runs us Infrastructure on Amazon EC2 Instances that run In an Auto Scaling group. Recently, the company promoted faulty code to the entire EC2 fleet. This faulty code caused the Auto Scaling group to scale the instances before any of the application logs could be retrieved.
What should a SysOps administrator do to retain the application logs after instances are terminated?

A. Configure an Auto Scaling lifecycle hook to create a snapshot of the ephemeral storage upon termination of the instances.
B. Create a new Amazon Machine Image (AMI) that has the Amazon CloudWatch agent installed and configured to send logs to Amazon CloudWatch Log
C. Update the launch template to use the new AMI.
D. Create a new Amazon Machine Image (AMI) that has a custom script configured to send logs to AWS CloudTrai
E. Update the launch template to use the new AMI.
F. Install the Amazon CloudWatch agent on the Amazon Machine Image (AMI) that is defined in the launch templat
G. Configure the CloudWatch agent to back up the logs to ephemeral storage.

Answer: B

NEW QUESTION 188
- (Exam Topic 1)
A company is trying to connect two applications. One application runs in an on-premises data center that has a hostname of hostl .onprem.private. The other application runs on an Amazon EC2 instance that has a hostname of hostl.awscloud.private. An AWS Site-to-Site VPN connection is in place between the on-premises network and AWS.
The application that runs in the data center tries to connect to the application that runs on the EC2 instance, but DNS resolution fails. A SysOps administrator must implement DNS resolution between on-premises and AWS resources.
Which solution allows the on-premises application to resolve the EC2 instance hostname?

A. Set up an Amazon Route 53 inbound resolver endpoint with a forwarding rule for the onprem.private hosted zon
B. Associate the resolver with the VPC of the EC2 instanc
C. Configure the on-premises DNS resolver to forward onprem.private DNS queries to the inbound resolver endpoint.
D. Set up an Amazon Route 53 inbound resolver endpoin
E. Associate the resolver with the VPC of the EC2 instanc
F. Configure the on-premises DNS resolver to forward awscloud.private DNS queries to the inbound resolver endpoint.
G. Set up an Amazon Route 53 outbound resolver endpoint with a forwarding rule for the onprem.private hosted zon
H. Associate the resolver with the AWS Region of the EC2 instanc
I. Configure theon-premises DNS resolver to forward onprem.private DNS queries to the outbound resolver endpoint.
J. Set up an Amazon Route 53 outbound resolver endpoin
K. Associate the resolver with the AWS Region of the EC2 instanc
L. Configure the on-premises DNS resolver to forward awscloud.private DNS queries to the outbound resolver endpoint.

Answer: C

NEW QUESTION 193
- (Exam Topic 1)
A SysOps administrator has enabled AWS CloudTrail in an AWS account If CloudTrail is disabled it must be re-enabled immediately What should the SysOps administrator do to meet these requirements WITHOUT writing custom code"

A. Add the AWS account to AWS Organizations Enable CloudTrail in the management account
B. Create an AWS Config rule that is invoked when CloudTrail configuration changes Apply the AWS-ConfigureCloudTrailLogging automatic remediation action
C. Create an AWS Config rule that is invoked when CloudTrail configuration changes Configure the rule to invoke an AWS Lambda function to enable CloudTrail
D. Create an Amazon EventBridge (Amazon CloudWatch Events) hourly rule with a schedule pattern to run an AWS Systems Manager Automation document to enable CloudTrail

Answer: B

NEW QUESTION 197
- (Exam Topic 1)
A SysOps administrator is designing a solution for an Amazon RDS for PostgreSQL DB instance. Database credentials must be stored and rotated monthly. The applications that connect to the DB instance send
write-intensive traffic with variable client connections that sometimes increase significantly in a short period of time.
Which solution should a SysOps administrator choose to meet these requirements?

A. Configure AWS Key Management Service (AWS KMS) to automatically rotate the keys for the DB instanc
B. Use RDS Proxy to handle the increases in database connections.
C. Configure AWS Key Management Service (AWS KMS) to automatically rotate the keys for the DB instanc
D. Use RDS read replicas to handle the increases in database connections.
E. Configure AWS Secrets Manager to automatically rotate the credentials for the DB instanc
F. Use RDS Proxy to handle the increases in database connections.
G. Configure AWS Secrets Manager to automatically rotate the credentials for the DB instanc
H. Use RDS read replicas to handle the increases in database connections.

Answer: A

NEW QUESTION 198
- (Exam Topic 1)
A SysOps administrator is reviewing AWS Trusted Advisor warnings and encounters a warning for an S3 bucket policy that has open access permissions. While discussing the issue with the bucket owner, the administrator realizes the S3 bucket is an origin for an Amazon CloudFront web distribution.
Which action should the administrator take to ensure that users access objects in Amazon S3 by using only CloudFront URLs?

A. Encrypt the S3 bucket content with Server-Side Encryption with Amazon S3-Managed Keys (SSE-S3).
B. Create an origin access identity and grant it permissions to read objects in the S3 bucket.
C. Assign an 1AM user to the CloudFront distribution and grant the user permissions in the S3 bucket policy.
D. Assign an 1AM role to the CloudFront distribution and grant the role permissions in the S3 bucket policy.

Answer: B

Explanation:
https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/private-content-restricting-access-to-s3

NEW QUESTION 202
- (Exam Topic 1)
A SysOps administrator is setting up a fleet of Amazon EC2 instances in an Auto Scaling group for an application. The fleet should have 50% CPU available at that times to accommodate bursts of traffic. The load will increase significantly between the hours of 09:00 and 17:00,7 days a week
How should the SysOps administrator configure the scaling of the EC2 instances to meet these requirements?

A. Create a target tracking scaling policy that runs when the CPU utilization is higher than 90%
B. Create a target tracking scaling policy that runs when the CPU utilization is higher than 50%. Create a scheduled scaling policy that ensures that the fleet is available at 09:00 Create a second scheduled scaling policy that scales in the fleet at 17:00
C. Set the Auto Scaling group to start with 2 instances by setting the desired instances maximum instances, and minimum instances to 2 Create a scheduled scaling policy that ensures that the fleet is available at 09:00
D. Create a scheduled scaling policy that ensures that the fleet is available at 09.00. Create a second scheduled scaling policy that scales in the fleet at 17:00

Answer: B

NEW QUESTION 206
- (Exam Topic 1)
A company hosts an internal application on Amazon EC2 instances. All application data and requests route through an AWS Site-to-Site VPN connection between the on-premises network and AWS. The company must monitor the application for changes that allow network access outside of the corporate network. Any change that exposes the application externally must be restricted automatically.
Which solution meets these requirements in the MOST operationally efficient manner?

A. Create an AWS Lambda function that updates security groups that are associated with the elastic network interface to remove inbound rules with noncorporate CIDR range
B. Turn on VPC Flow Logs, and send the logs to Amazon CloudWatch Log
C. Create an Amazon CloudWatch alarm that matches traffic from noncorporate CIDR ranges, and publish a message to an Amazon Simple Notification Service (Amazon SNS) topic with the Lambda function as a target.
D. Create a scheduled Amazon EventBridge (Amazon CloudWatch Events) rule that targets an AWS Systems Manager Automation document to check for public IP addresses on the EC2 instance
E. If public IP addresses are found on the EC2 instances, initiate another Systems Manager Automation document to terminate the instances.
F. Configure AWS Config and a custom rule to monitor whether a security group allows inbound requestsfrom noncorporate CIDR range
G. Create an AWS Systems Manager Automation document to remove any noncorporate CIDR ranges from the application security groups.
H. Configure AWS Config and the managed rule for monitoring public IP associations with the EC2 instances by ta
I. Tag the EC2 instances with an identifie
J. Create an AWS Systems Manager Automation document to remove the public IP association from the EC2 instances.

Answer: C

Explanation:
https://aws.amazon.com/blogs/security/how-to-auto-remediate-internet-accessible-ports-with-aws-config-and-aw

NEW QUESTION 210
- (Exam Topic 1)
A company is implementing a monitoring solution that is based on machine learning. The monitoring solution consumes Amazon EventBridge (Amazon CloudWatch Events) events that are generated by Amazon EC2 Auto Scaling. The monitoring solution provides detection of anomalous behavior such as unanticipated scaling events and is configured as an EventBridge (CloudWatch Events) API destination.
During initial testing, the company discovers that the monitoring solution is not receiving events. However, Amazon CloudWatch is showing that the EventBridge (CloudWatch Events) rule is being invoked. A SysOps administrator must implement a solution to retrieve client error details to help resolve this issue.
Which solution will meet these requirements with the LEAST operational effort?

A. Create an EventBridge (CloudWatch Events) archive for the event pattern to replay the event
B. Increase the logging on the monitoring solutio
C. Use replay to invoke the monitoring solutio
D. Examine the error details.
E. Add an Amazon Simple Queue Service (Amazon SQS) standard queue as a dead-letter queue for the targe
F. Process the messages in the dead-letter queue to retrieve error details.
G. Create a second EventBridge (CloudWatch Events) rule for the same event pattern to target an AWS Lambda functio
H. Configure the Lambda function to invoke the monitoring solution and to record the results to Amazon CloudWatch Log
I. Examine the errors in the logs.
J. Configure the EventBridge (CloudWatch Events) rule to send error messages to an Amazon Simple Notification Service (Amazon SNS) topic.

Answer: A

Explanation:
"In EventBridge, you can create an archive of events so that you can easily replay them at a later time. For example, you might want to replay events to recover from errors or to validate new functionality in your
application." https://docs.aws.amazon.com/eventbridge/latest/userguide/eb-archive.html

NEW QUESTION 213
- (Exam Topic 1)
A large multinational company has a core application that runs 24 hours a day, 7 days a week on Amazon EC2 and AWS Lambda. The company uses a combination of operating systems across different AWS Regions. The company wants to achieve cost savings and wants to use a pricing model that provides the most flexibility.
What should the company do to MAXIMIZE cost savings while meeting these requirements?

A. Establish the compute expense by the hou
B. Purchase a Compute Savings Plan.
C. Establish the compute expense by the hou
D. Purchase an EC2 Instance Savings Plan.
E. Purchase a Reserved Instance for the instance types, operating systems, Region, and tenancy.
F. Use EC2 Spot Instances to match the instances that run in each Region.

Answer: D

NEW QUESTION 217
- (Exam Topic 1)
A company has a critical serverless application that uses multiple AWS Lambda functions. Each Lambda function generates 1 GB of log data daily in tts own Amazon CloudWatch Logs log group. The company's security team asks for a count of application errors, grouped by type, across all of the log groups.
What should a SysOps administrator do to meet this requirement?

A. Perform a CloudWatch Logs Insights query that uses the stats command and count function.
B. Perform a CloudWatch Logs search that uses the groupby keyword and count function.
C. Perform an Amazon Athena query that uses the SELECT and GROUP BY keywords.
D. Perform an Amazon RDS query that uses the SELECT and GROUP BY keywords.

Answer: A

NEW QUESTION 220
- (Exam Topic 1)
A SysOps administrator is helping a development team deploy an application to AWS Trie AWS CloudFormat on temp ate includes an Amazon Linux EC2 Instance an Amazon Aurora DB cluster and a hard coded database password that must be rotated every 90 days
What is the MOST secure way to manage the database password?

A. Use the AWS SecretsManager Secret resource with the GenerateSecretString property to automatically generate a password Use the AWS SecretsManager RotationSchedule resource lo define a rotation schedule lor the password Configure the application to retrieve the secret from AWS Secrets Manager access the database
B. Use me AWS SecretsManager Secret resource with the SecretStrmg property Accept a password as a CloudFormation parameter Use the AllowedPatteen property of the CloudFormaton parameter to require e minimum length, uppercase and lowercase letters and special characters Configure me application to retrieve the secret from AWS Secrets Manager to access the database
C. Use the AWS SSM Parameter resource Accept input as a Qoudformatton parameter to store the parameter as a secure sting Configure the application to retrieve the parameter from AWS Systems Manager Parameter Store to access the database
D. Use the AWS SSM Parameter resource Accept input as a Cloudf ormetton parameter to store the parameter as a string Configure the application to retrieve the parameter from AWS Systems ManagerParameter Store to access the database

Answer: A

NEW QUESTION 222
- (Exam Topic 1)
A SysOps administrator needs to automate the invocation of an AWS Lambda function. The Lambda function must run at the end of each day to generate a report on data that is stored in an Amazon S3 bucket.
What is the MOST operationally efficient solution that meets these requirements?

A. Create an Amazon EventBridge {Amazon CloudWatch Events) rule that has an event pattern for Amazon S3 and the Lambda function as a target.
B. Create an Amazon EventBridge (Amazon CloudWatch Events) rule that has a schedule and the Lambda function as a target.
C. Create an S3 event notification to invoke the Lambda function whenever objects change in the S3 bucket.
D. Deploy an Amazon EC2 instance with a cron job to invoke the Lambda function.

Answer: C

NEW QUESTION 227
- (Exam Topic 1)
A company hosts its website on Amazon EC2 instances behind an Application Load Balancer. The company manages its DNS with Amazon Route 53. and wants to point its domain's zone apex to the website.
Which type of record should be used to meet these requirements?

A. A CNAME record for the domain's zone apex
B. An A record for the domain's zone apex
C. An AAAA record for the domain's zone apex
D. An alias record for the domain's zone apex

Answer: D

Explanation:
https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/resource-record-sets-choosing-alias-non-alias.htm
https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/routing-to-elb-load-balancer.html

NEW QUESTION 228
- (Exam Topic 1)
A company is using Amazon CloudFront to serve static content for its web application to its users. The CloudFront distribution uses an existing on-premises website as a custom origin.
The company requires the use of TLS between CloudFront and the origin server. This configuration has worked as expected for several months. However, users are now experiencing HTTP 502 (Bad Gateway) errors when they view webpages that include content from the CloudFront distribution.
What should a SysOps administrator do to resolve this problem?

A. Examine the expiration date on the certificate on the origin sit
B. Validate that the certificate has not expire
C. Replace the certificate if necessary.
D. Examine the hostname on the certificate on the origin sit
E. Validate that the hostname matches one of the hostnames on the CloudFront distributio
F. Replace the certificate if necessary.
G. Examine the firewall rules that are associated with the origin serve
H. Validate that port 443 is open for inbound traffic from the interne
I. Create an inbound rule if necessary.
J. Examine the network ACL rules that are associated with the CloudFront distributio
K. Validate that port 443 is open for outbound traffic to the origin serve
L. Create an outbound rule if necessary.

Answer: A

Explanation:
HTTP 502 errors from CloudFront can occur because of the following reasons:
There's an SSL negotiation failure because the origin is using SSL/TLS protocols and ciphers that aren't supported by CloudFront.
There's an SSL negotiation failure because the SSL certificate on the origin is expired or invalid, or because the certificate chain is invalid.
There's a host header mismatch in the SSL negotiation between your CloudFront distribution and the custom origin.
The custom origin isn't responding on the ports specified in the origin settings of the CloudFront distribution. The custom origin is ending the connection to CloudFront too quickly.
https://aws.amazon.com/premiumsupport/knowledge-center/resolve-cloudfront-connection-error/

NEW QUESTION 230
- (Exam Topic 1)
A company stores sensitive data in an Amazon S3 bucket. The company must log all access attempts to the S3 bucket. The company's risk team must receive immediate notification about any delete events.
Which solution will meet these requirements?

A. Enable S3 server access logging for audit log
B. Set up an Amazon Simple Notification Service (Amazon SNSJ notification for the S3 bucke
C. Select DeleteObject tor the event type for the alert system.
D. Enable S3 server access logging for audit log
E. Launch an Amazon EC2 instance for the alert system.Run a cron job on the EC2 instance to download the access logs each day and to scan for a DeleteObject event.
F. Use Amazon CloudWatch Logs for audit log
G. Use Amazon CloudWatch alarms with an Amazon Simple Notification Service (Amazon SNS) notification for the alert system.
H. Use Amazon CloudWatch Logs for audit log
I. Launch an Amazon EC2 instance for The alert system.Run a cron job on the EC2 Instance each day to compare the list of the items with the list from the previous da
J. Configure the cron job to send a notification if an item is missing.

Answer: A

Explanation:
To meet the requirements of logging all access attempts to the S3 bucket and receiving immediate notification about any delete events, the company can enable S3 server access logging and set up an Amazon Simple Notification Service (Amazon SNS) notification for the S3 bucket. The S3 server access logs will record all access attempts to the bucket, including delete events, and the SNS notification can be configured to send an alert when a DeleteObject event occurs.

NEW QUESTION 233
- (Exam Topic 1)
A company requires that all IAM user accounts that have not been used for 90 days or more must have their access keys and passwords immediately disabled A SysOps administrator must automate the process of disabling unused keys using the MOST operationally efficient method.
How should the SysOps administrator implement this solution?

A. Create an AWS Step Functions workflow to identify IAM users that have not been active for 90 days Run an AWS Lambda function when a scheduled Amazon EventBridge (Amazon CloudWatch Events) rule is invoked to automatically remove the AWS access keys and passwords for these IAM users
B. Configure an AWS Config rule to identify IAM users that have not been active for 90 days Set up an automatic weekly batch process on an Amazon EC2 instance to disable the AWS access keys and passwords for these IAM users
C. Develop and run a Python script on an Amazon EC2 instance to programmatically identify IAM users that have not been active for 90 days Automatically delete these 1AM users
D. Set up an AWS Config managed rule to identify IAM users that have not been active for 90 days Set up an AWS Systems Manager automation runbook to disable the AWS access keys for these IAM users

Answer: D

NEW QUESTION 235
- (Exam Topic 1)
A company is storing backups in an Amazon S3 bucket. The backups must not be deleted for at least 3 months after the backups are created.
What should a SysOps administrator do to meet this requirement?

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

Answer: D

Explanation:
To meet the requirements of the workload, a SysOps administrator should enable S3 Object Lock on a new S3 bucket in governance mode and place all backups in the new S3 bucket with a retention period of 3 months.
This will ensure that the backups are not deleted for at least 3 months after they are created. The other solutions (configuring an IAM policy that denies the s3:DeleteObject action for all users, enabling S3 Object Lock on a new S3 bucket in compliance mode, or enabling S3 Versioning on the existing S3 bucket and configuring S3 Lifecycle rules to protect the backups) will not meet the requirements, as they do not provide a way to ensure that the backups are not deleted for at least 3 months after they are created.

NEW QUESTION 239
- (Exam Topic 1)
A SysOps administrator has enabled AWS CloudTrail in an AWS account. If CloudTrail is disabled, it must be re-enabled immediately. What should the SysOps administrator do to meet these requirements WITHOUT writing custom code?

A. Add the AWS account to AWS Organization
B. Enable CloudTrail in the management account.
C. Create an AWS Config rule that is invoked when CloudTrail configuration change
D. Apply the AWS-ConfigureCloudTrailLogging automatic remediation action.
E. Create an AWS Config rule that is invoked when CloudTrail configuration change
F. Configure the rule to invoke an AWS Lambda function to enable CloudTrail.
G. Create an Amazon EventBridge (Amazon CloudWatch Events) hourly rule with a schedule pattern to run an AWS Systems Manager Automation document to enable CloudTrail.

Answer: D

NEW QUESTION 243
- (Exam Topic 1)
A company runs its entire suite of applications on Amazon EC2 instances. The company plans to move the applications to containers and AWS Fargate. Within 6 months, the company plans to retire its EC2 instances and use only Fargate. The company has been able to estimate its future Fargate costs.
A SysOps administrator needs to choose a purchasing option to help the company minimize costs. The SysOps administrator must maximize any discounts that are available and must ensure that there are no unused reservations.
Which purchasing option will meet these requirements?

A. Compute Savings Plans for 1 year with the No Upfront payment option
B. Compute Savings Plans for 1 year with the Partial Upfront payment option
C. EC2 Instance Savings Plans for 1 year with the All Upfront payment option
D. EC2 Reserved Instances for 1 year with the Partial Upfront payment option

Answer: C

NEW QUESTION 247
- (Exam Topic 1)
A web application runs on Amazon EC2 instances behind an Application Load Balancer (ALB). The instances run in an Auto Scaling group across multiple Availability Zones. A SysOpe administrator notices that some of these EC2 instances show up as heathy in the Auto Scaling g-out but show up as unhealthy in the ALB target group.
What is a possible reason for this issue?

A. Security groups ate rot allowing traffic between the ALB and the failing EC2 instances
B. The Auto Seating group health check is configured for EC2 status checks
C. The EC2 instances are failing to launch and failing EC2 status checks.
D. The target group health check is configured with an incorrect port or path

Answer: D

NEW QUESTION 250
- (Exam Topic 1)
A company runs a web application on three Amazon EC2 instances behind an Application Load Balancer (ALB). The company notices that random periods of increased traffic cause a degradation in the application's performance. A SysOps administrator must scale the application to meet the increased traffic. Which solution meets these requirements?

A. Create an Amazon CloudWatch alarm to monitor application latency and increase the size of each EC2 instance if the desired threshold is reached.
B. Create an Amazon EventBridge (Amazon CloudWatch Events) rule to monitor application latency and add an EC2 instance to the ALB if the desired threshold is reached.

C. Deploy the application to an Auto Scaling group of EC2 instances with a target tracking scaling policy.Attach the ALB to the Auto Scaling group.
D. Deploy the application to an Auto Scaling group of EC2 instances with a scheduled scaling policy.Attach the ALB to the Auto Scaling group.

Answer: C

NEW QUESTION 254
- (Exam Topic 1)
A company recently purchased Savings Plans. The company wants to receive email notification when the company's utilization drops below 90% for a given day.
Which solution will meet this requirement?

A. Create an Amazon CloudWatch alarm to monitor the Savings Plan check in AWS Trusted Advisor.Configure an Amazon Simple Queue Service (Amazon SQS) queue for email notification when the utilization drops below 90% for a given day.
B. Create an Amazon CloudWatch alarm to monitor the SavingsPlansUtilization metric under the AWS/SavingsPlans namespace in CloudWatc
C. Configure an Amazon Simple Queue Service (Amazon SQS) queue for email notification when the utilization drops below 90% for a given day.
D. Create a Savings Plans alert to monitor the daily utilization of the Savings Plan
E. Configure an Amazon Simple Notification Service (Amazon SNS) topic for email notification when the utilization drops below 90% for a given day.
F. Use AWS Budgets to create a Savings Plans budget to track the daily utilization of the Savings Plans.Configure an Amazon Simple Notification Service (Amazon SNS) topic for email notification when the utilization drops below 90% for a given day.

Answer: D

Explanation:
AWS Budgets can be used to create a Savings Plans budget and track the daily utilization of the company's Savings Plans. By creating a budget, it will trigger an action when the utilization drops below 90%, which in this case will be to send an email notification via an Amazon SNS topic. This will ensure that the company is notified when their Savings Plans utilization drops below 90%, allowing them to take action if necessary.
Reference: [1] https://docs.aws.amazon.com/savingsplans/latest/userguide/sp-usingBudgets.html

NEW QUESTION 256
- (Exam Topic 1)
An application accesses data through a file system interface. The application runs on Amazon EC2 instances in multiple Availability Zones, all of which must share the same data. While the amount of data is currently small, the company anticipates that it will grow to tens of terabytes over the lifetime of the application.
What is the MOST scalable storage solution to fulfill this requirement?

A. Connect a large Amazon EBS volume to multiple instances and schedule snapshots.
B. Deploy Amazon EFS in the VPC and create mount targets in multiple subnets.
C. Launch an EC2 instance and share data using SMB/CIFS or NFS.
D. Deploy an AWS Storage Gateway cached volume on Amazon EC2.

Answer: B

NEW QUESTION 261
- (Exam Topic 1)
A SysOps administrator trust manage the security of An AWS account Recently an IAM users access key was mistakenly uploaded to a public code repository.
The SysOps administrator must identity anything that was changed by using this access key.

A. Create an Amazon EventBridge (Amazon CloudWatch Events) rule to send all IAM events lo an AWS Lambda function for analysis
B. Query Amazon EC2 togs by using Amazon CloudWatch Logs Insights for all events Heated with the compromised access key within the suspected timeframe
C. Search AWS CloudTrail event history tor all events initiated with the compromised access key within the suspected timeframe
D. Search VPC Flow Logs foe all events initiated with the compromised access key within the suspected Timeframe.

Answer: C

NEW QUESTION 266
- (Exam Topic 1)
A SysOps administrator is configuring an application on Amazon EC2 instances for a company Teams in other countries will use the application over the internet.
The company requires the application endpoint to have a static pubic IP address.
How should the SysOps administrator deploy the application to meet this requirement?

A. Behind an Amazon API Gateway API
B. Behind an Application Load Balancer
C. Behind an internet-facing Network Load Balancer
D. In an Amazon CloudFront distribution

Answer: C

NEW QUESTION 268
- (Exam Topic 1)
A company is tunning a website on Amazon EC2 instances thai are in an Auto Scaling group When the website traffic increases, additional instances lake several minutes to become available because ot a
long-running user data script that installs software A SysOps administrator must decrease the time that is required (or new instances to become available
Which action should the SysOps administrator take to meet this requirement?

A. Reduce the scaling thresholds so that instances are added before traffic increases
B. Purchase Reserved Instances to cover 100% of the maximum capacity of the Auto Scaling group
C. Update the Auto Scaling group to launch instances that have a storage optimized instance type
D. Use EC2 Image Builder to prepare an Amazon Machine Image (AMI) that has pre-installed software

Answer: D

Explanation:
automated way to update your image. Have a pipeline to update your image. When you boot from your AMI updates = scrits are already pre-installed, so no need to complete boot scripts in boot process. https://aws.amazon.com/image-builder/

NEW QUESTION 272
- (Exam Topic 1)
A SysOps administrator has Nocked public access to all company Amazon S3 buckets. The SysOps administrator wants to be notified when an S3 bucket becomes publicly readable in the future.
What is the MOST operationally efficient way to meet this requirement?

A. Create an AWS Lambda function that periodically checks the public access settings for each S3 bucket.Set up Amazon Simple Notification Service (Amazon SNS) to send notifications.
B. Create a cron script that uses the S3 API to check the public access settings for each S3 bucke
C. Set up Amazon Simple Notification Service (Amazon SNS) to send notifications
D. Enable S3 Event notified tons for each S3 bucke
E. Subscribe S3 Event Notifications to an Amazon Simple Notification Service (Amazon SNS) topic.
F. Enable the s3-bucket-public-read-prohibited managed rule in AWS Confi
G. Subscribe the AWS Config rule to an Amazon Simple Notification Service (Amazon SNS) topic.

Answer: D

NEW QUESTION 274
- (Exam Topic 1)
A Sysops administrator needs to configure automatic rotation for Amazon RDS database credentials. The credentials must rotate every 30 days. The solution must integrate with Amazon RDS.
Which solution will meet these requirements with the LEAST operational overhead?

A. Store the credentials in AWS Systems Manager Parameter Store as a secure strin
B. Configure automatic rotation with a rotation interval of 30 days.
C. Store the credentials in AWS Secrets Manage
D. Configure automatic rotation with a rotation interval of 30 days.
E. Store the credentials in a file in an Amazon S3 bucke
F. Deploy an AWS Lambda function to automatically rotate the credentials every 30 days.
G. Store the credentials in AWS Secrets Manage
H. Deploy an AWS Lambda function to automatically rotate the credentials every 30 days.

Answer: B

Explanation:
Storing the credentials in AWS Secrets Manager and configuring automatic rotation with a rotation interval of 30 days is the most efficient way to meet the requirements with the least operational overhead. AWS Secrets Manager automatically rotates the credentials at the specified interval, so there is no need for an additional AWS Lambda function or manual rotation. Additionally, Secrets Manager is integrated with Amazon RDS, so the credentials can be easily used with the RDS database.

NEW QUESTION 277
- (Exam Topic 1)
A company's SysOps administrator deploys four new Amazon EC2 instances by using the standard Amazon Linux 2 Amazon Machine Image (AMI). The company needs to be able to use AWS Systems Manager to manage the instances The SysOps administrator notices that the instances do not appear in the Systems Manager console
What must the SysOps administrator do to resolve this issue?

A. Connect to each instance by using SSH Install Systems Manager Agent on each instance Configure Systems Manager Agent to start automatically when the instances start up
B. Use AWS Certificate Manager (ACM) to create a TLS certificate Import the certificate into each instance Configure Systems Manager Agent to use the TLS certificate for secure communications
C. Connect to each instance by using SSH Create an ssm-user account Add the ssm-user account to the/etcsudoers d directory
D. Attach an IAM instance profile to the instances Ensure that the instance profile contains the AmazonSSMManagedinstanceCore policy

Answer: D

NEW QUESTION 279
- (Exam Topic 1)
A SysOps administrator must ensure that a company's Amazon EC2 instances auto scale as expected The SysOps administrator configures an Amazon EC2 Auto Scaling Lifecycle hook to send an event to Amazon EventBridge (Amazon CloudWatch Events), which then invokes an AWS Lambda function to configure the EC2 distances When the configuration is complete, the Lambda function calls the complete Lifecycle-action event to put the EC2 instances into service. In testing, the SysOps administrator discovers that the Lambda function is not invoked when the EC2 instances auto scale.
What should the SysOps administrator do to reserve this issue?

A. Add a permission to the Lambda function so that it can be invoked by the EventBridge (CloudWatch Events) rule.
B. Change the lifecycle hook action to CONTINUE if the lifecycle hook experiences a fa* we or timeout.
C. Configure a retry policy in the EventBridge (CloudWatch Events) rule to retry the Lambda function invocation upon failure.
D. Update the Lambda function execution role so that it has permission to call the complete lifecycle-action event

Answer: D

NEW QUESTION 281
- (Exam Topic 1)
A company must migrate its applications to AWS The company is using Chef recipes for configuration management The company wants to continue to use the

existing Chef recipes after the applications are migrated to AWS.
What is the MOST operationally efficient solution that meets these requirements?

A. Use AWS Cloud Format ion to create an Amazon EC2 instance, install a Chef server, and add Chefrecipes.
B. Use AWS CloudFormation to create a stack and add layers for Chef recipes.
C. Use AWS Elastic Beanstalk with the Docker platform to upload Chef recipes.
D. Use AWS OpsWorks to create a stack and add layers with Chef recipes.

Answer: D

NEW QUESTION 284
- (Exam Topic 1)
A SysOps administrator is evaluating Amazon Route 53 DNS options to address concerns about high availability for an on-premises website. The website consists of two servers: a primary active server and a secondary passive server. Route 53 should route traffic to the primary server if the associated health check returns 2xx or 3xx HTTP codes. All other traffic should be directed to the secondary passive server. The failover record type, set ID. and routing policy have been set appropriately for both primary and secondary servers.
Which next step should be taken to configure Route 53?

A. Create an A record for each serve
B. Associate the records with the Route 53 HTTP health check.
C. Create an A record for each serve
D. Associate the records with the Route 53 TCP health check.
E. Create an alias record for each server with evaluate target health set to ye
F. Associate the records withthe Route 53 HTTP health check.
G. Create an alias record for each server with evaluate target health set to ye
H. Associate the records with the Route 53 TCP health check.

Answer: A

NEW QUESTION 285
- (Exam Topic 1)
An existing, deployed solution uses Amazon EC2 instances with Amazon EBS General Purpose SSD volumes, an Amazon RDS PostgreSQL database, an Amazon EFS file system, and static objects stored in an Amazon S3 bucket. The Security team now mandates that at-rest encryption be turned on immediately for all aspects of the application, without creating new resources and without any downtime.
To satisfy the requirements, which one of these services can the SysOps administrator enable at-rest encryption on?

A. EBS General Purpose SSD volumes
B. RDS PostgreSQL database
C. Amazon EFS file systems
D. S3 objects within a bucket

Answer: D

Explanation:
https://docs.aws.amazon.com/AmazonS3/latest/userguide/UsingEncryption.html

NEW QUESTION 289
- (Exam Topic 1)
A company wants to collect data from an application to use for analytics. For the first 90 days, the data will be infrequently accessed but must remain highly available. During this time, the company's analytics team requires access to the data in milliseconds. However, after 90 days, the company must retain the data for the long term at a lower cost. The retrieval time after 90 days must be less than 5 hours.
Which solution will meet these requirements MOST cost-effectively?

A. Store the data in S3 Standard-Infrequent Access (S3 Standard-IA) for the first 90 day
B. Set up an S3 Lifecycle rule to move the data to S3 Glacier Flexible Retrieval after 90 days.
C. Store the data in S3 One Zone-Infrequent Access (S3 One Zone-IA) for the first 90 day
D. Set up an S3 Lifecycle rule to move the data to S3 Glacier Deep Archive after 90 days.
E. Store the data in S3 Standard for the first 90 day
F. Set up an S3 Lifecycle rule to move the data to S3 Glacier Flexible Retrieval after 90 days.
G. Store the data in S3 Standard for the first 90 day
H. Set up an S3 Lifecycle rule to move the data to S3 Glacier Deep Archive after 90 days.

Answer: A

Explanation:
Glacier Deep Archive retrieval time more than 5 hours (it's 12 hours), so B&D out. S3 Standard IA is cheaper than S3 Standard.
https://aws.amazon.com/tw/s3/pricing/

NEW QUESTION 293
- (Exam Topic 1)
A compliance team requires all administrator passwords tor Amazon RDS DB instances to be changed at toast annually
Which solution meets this requirement in the MOST operationally efficient manned

A. Store the database credentials in AWS Secrets Manager Configure automate rotation for the secret every 365 days
B. Store the database credentials as a parameter in the RDS parameter group Create a database trigger to rotate the password every 365 days
C. Store the database credentials in a private Amazon S3 bucket Schedule an AWS Lambda function to generate a new set of credentials every 365 days
D. Store the database credentials in AWS Systems Manager Parameter Store as a secure string parameter Configure automatic rotation for the parameter every 365 days

Answer: A

NEW QUESTION 296
- (Exam Topic 1)
A SysOps Administrator is managing a web application that runs on Amazon EC2 instances behind an Application Load Balancer (ALB). The instances run in an EC2 Auto Scaling group. The administrator wants to set an alarm for when all target instances associated with the ALB are unhealthy.
Which condition should be used with the alarm?

A. AWS/ApplicationELB HealthyHostCount <= 0
B. AWS/ApplicationELB UnhealthyHostCount >= 1
C. AWS/EC2 StatusCheckFailed <= 0
D. AWS/EC2 StatusCheckFailed >= 1

Answer: A

Explanation:
https://docs.aws.amazon.com/elasticloadbalancing/latest/application/load-balancer-cloudwatch-metrics.html

NEW QUESTION 301
- (Exam Topic 1)
A company has attached the following policy to an IAM user:

```
{
    "Version": "2012-10-17",
    "Statement": [
        {
            "Effect": "Allow",
            "Action": "rds:Describe*",
            "Resource": "*"
        },
        {
            "Effect": "Allow",
            "Action": "ec2:*",
            "Resource": "*",
            "Condition": {
                "StringEquals": {
                    "ec2:Region": "us-east-1"
                }
            }
        },
        {
            "Effect": "Deny",
            "NotAction": [
                "ec2:*",

        {
            "Effect": "Allow",
            "Action": "ec2:*",
            "Resource": "*",
            "Condition": {
                "StringEquals": {
                    "ec2:Region": "us-east-1"
                }
            }
        },
        {
            "Effect": "Deny",
            "NotAction": [
                "ec2:*",
                "s3:GetObject"
            ],
            "Resource": "*"
        }
    ]
}
```

Which of the following actions are allowed for the IAM user?

A. Amazon RDS DescribeDBInstances action in the us-east-1 Region

B. Amazon S3 Putobject operation in a bucket named testbucket
C. Amazon EC2 Describe Instances action in the us-east-1 Region
D. Amazon EC2 AttachNetworkinterf ace action in the eu-west-1 Region

Answer: C

NEW QUESTION 302
- (Exam Topic 1)
An environment consists of 100 Amazon EC2 Windows instances The Amazon CloudWatch agent Is deployed and running on at EC2 instances with a baseline configuration file to capture log files There is a new requirement to capture the DHCP tog tiles that exist on 50 of the instances
What is the MOST operational efficient way to meet this new requirement?

A. Create an additional CloudWatch agent configuration file to capture the DHCP logs Use the AWS Systems Manager Run Command to restart the CloudWatch agent on each EC2 instance with the append-config option to apply the additional configuration file
B. Log in to each EC2 instance with administrator rights Create a PowerShell script to push the needed baseline log files and DHCP log files to CloudWatch
C. Run the CloudWatch agent configuration file wizard on each EC2 instance Verify that the base the log files are included and add the DHCP tog files during the wizard creation process
D. Run the CloudWatch agent configuration file wizard on each EC2 instance and select the advanced detail leve
E. This wifi capture the operating system log files.

Answer: A

NEW QUESTION 307
- (Exam Topic 1)
A company updates its security policy to clarify cloud hosting arrangements for regulated workloads. Workloads that are identified as sensitive must run on hardware that is not shared with other customers or with other AWS accounts within the company.
Which solution will ensure compliance with this policy?

A. Deploy workloads only to Dedicated Hosts.
B. Deploy workloads only to Dedicated Instances.
C. Deploy workloads only to Reserved Instances.
D. Place all instances in a dedicated placement group.

Answer: A

Explanation:
Dedicated Hosts are physical servers that are dedicated to a single customer, ensuring that the customer's workloads are not shared with other customers or with other AWS accounts within the company. This will ensure that the company's security policy is followed and that sensitive workloads are running on hardware that is not shared with other customers or with other AWS accounts within the company.

NEW QUESTION 310
- (Exam Topic 1)
A SysOps administrator is required to monitor free space on Amazon EBS volumes attached to Microsoft Windows-based Amazon EC2 instances within a company's account. The administrator must be alerted to potential issues.
What should the administrator do to receive email alerts before low storage space affects EC2 instance performance?

A. Use built-in Amazon CloudWatch metrics, and configure CloudWatch alarms and an Amazon SNS topic for email notifications
B. Use AWS CloudTrail logs and configure the trail to send notifications to an Amazon SNS topic.
C. Use the Amazon CloudWatch agent to send disk space metrics, then set up CloudWatch alarms using an Amazon SNS topic.
D. Use AWS Trusted Advisor and enable email notification alerts for EC2 disk space

Answer: C

NEW QUESTION 313
- (Exam Topic 1)
A company monitors its account activity using AWS CloudTrail. and is concerned that some log files are being tampered with after the logs have been delivered to the account's Amazon S3 bucket.
Moving forward, how can the SysOps administrator confirm that the log files have not been modified after being delivered to the S3 bucket?

A. Stream the CloudTrail logs to Amazon CloudWatch Logs to store logs at a secondary location.
B. Enable log file integrity validation and use digest files to verify the hash value of the log file.
C. Replicate the S3 log bucket across regions, and encrypt log files with S3 managed keys.
D. Enable S3 server access logging to track requests made to the log bucket for security audits.

Answer: B

Explanation:
When you enable log file integrity validation, CloudTrail creates a hash for every log file that it delivers. Every hour, CloudTrail also creates and delivers a file that references the log files for the last hour and contains a hash of each. This file is called a digest file. CloudTrail signs each digest file using the private key of a public and private key pair. After delivery, you can use the public key to validate the digest file. CloudTrail uses different key pairs for each AWS region
https://docs.aws.amazon.com/awscloudtrail/latest/userguide/cloudtrail-log-file-validation-intro.html

NEW QUESTION 314
- (Exam Topic 1)
A company runs an application on Amazon EC2 instances. The EC2 instances are in an Auto Scaling group and run behind an Application Load Balancer (ALB). The application experiences errors when total requests exceed 100 requests per second. A SysOps administrator must collect information about total requests for a 2-week period to determine when requests exceeded this threshold.
What should the SysOps administrator do to collect this data?

A. Use the ALB's RequestCount metri
B. Configure a time range of 2 weeks and a period of 1 minute.Examine the chart to determine peak traffic times and volumes.
C. Use Amazon CloudWatch metric math to generate a sum of request counts for all the EC2 instances over a 2-week perio
D. Sort by a 1-minute interval.
E. Create Amazon CloudWatch custom metrics on the EC2 launch configuration templates to create aggregated request metrics across all the EC2 instances.
F. Create an Amazon EventBridge (Amazon CloudWatch Events) rul
G. Configure an EC2 event matching pattern that creates a metric that is based on EC2 request
H. Display the data in a graph.

Answer: A

Explanation:
Using the ALB's RequestCount metric will allow the SysOps administrator to collect information about total requests for a 2-week period and determine when requests exceeded the threshold of 100 requests per second. Configuring a time range of 2 weeks and a period of 1 minute will ensure that the data can be accurately examined to determine peak traffic times and volumes.

NEW QUESTION 319
- (Exam Topic 1)
A company maintains a large set of sensitive data in an Amazon S3 bucket. The company's security team asks a SyeOps administrator to help verify that all current objects in the S3 bucket are encrypted.
What is the MOST operationally efficient solution that meets these requirements?

A. Create a script that runs against the S3 bucket and outputs the status of each object.
B. Create an S3 Inventory configuration on the S3 bucket Induce the appropriate status fields.
C. Provide the security team with an IAM user that has read access to the S3 bucket.
D. Use the AWS CLI to output a list of all objects in the S3 bucket.

Answer: D

NEW QUESTION 323
- (Exam Topic 1)
A company is managing multiple AWS accounts in AWS Organizations The company is reviewing internal security of Its AWS environment The company's security administrator has their own AWS account and wants to review the VPC configuration of developer AWS accounts
Which solution will meet these requirements in the MOST secure manner?

A. Create an IAM policy in each developer account that has read-only access related to VPC resources Assign the policy to an IAM user Share the user credentials with the security administrator
B. Create an IAM policy in each developer account that has administrator access to all Amazon EC2 actions, including VPC actions Assign the policy to an IAM user Share the user credentials with the security administrator
C. Create an IAM policy in each developer account that has administrator access related to VPC resources Assign the policy to a cross-account IAM role Ask the security administrator to assume the role from their account
D. Create an IAM policy m each developer account that has read-only access related to VPC resources Assign the policy to a cross-account IAM role Ask the security administrator to assume the role from their account

Answer: D

NEW QUESTION 325
- (Exam Topic 1)
A company wants to be alerted through email when IAM CreateUser API calls are made within its AWS account.
Which combination of actions should a SysOps administrator take to meet this requirement? (Choose two.)

A. Create an Amazon EventBridge (Amazon CloudWatch Events) rule with AWS CloudTrail as the event source and IAM CreateUser as the specific API call for the event pattern.
B. Create an Amazon EventBridge (Amazon CloudWatch Events) rule with Amazon CloudSearch as the event source and IAM CreateUser as the specific API call for the event pattern.
C. Create an Amazon EventBridge (Amazon CloudWatch Events) rule with AWS IAM Access Analyzer as the event source and IAM CreateUser as the specific API call for the event pattern.
D. Use an Amazon Simple Notification Service (Amazon SNS) topic as an event target with an email subscription.
E. Use an Amazon Simple Email Service (Amazon SES) notification as an event target with an email subscription.

Answer: AD

Explanation:
https://aws.amazon.com/blogs/security/how-to-receive-alerts-when-your-iam-configuration-changes/

NEW QUESTION 326
.....

Thank You for Trying Our Product

* 100% Pass or Money Back

All our products come with a 90-day Money Back Guarantee.

* One year free update

You can enjoy free update one year. 24x7 online support.

* Trusted by Millions

We currently serve more than 30,000,000 customers.

* Shop Securely

All transactions are protected by VeriSign!

100% Pass Your SOA-C02 Exam with Our Prep Materials Via below:

https://www.certleader.com/SOA-C02-dumps.html