Exam Questions SOA-C02

AWS Certified SysOps Administrator - Associate (SOA-C02)

https://www.2passeasy.com/dumps/SOA-C02/

NEW QUESTION 1
- (Exam Topic 1)
An organization with a large IT department has decided to migrate to AWS With different job functions in the IT department it is not desirable to give all users access to all AWS resources Currently the organization handles access via LDAP group membership
What is the BEST method to allow access using current LDAP credentials?

A. Create an AWS Directory Service Simple AD Replicate the on-premises LDAP directory to Simple AD
B. Create a Lambda function to read LDAP groups and automate the creation of IAM users
C. Use AWS CloudFormation to create IAM roles Deploy Direct Connect to allow access to the on-premises LDAP server
D. Federate the LDAP directory with IAM using SAML Create different IAM roles to correspond to different LDAP groups to limit permissions

Answer: D

NEW QUESTION 2
- (Exam Topic 1)
A SysOps administrator has used AWS Cloud Formation to deploy a sereness application into a production VPC. The application consists of an AWS Lambda function, an Amazon DynamoOB table, and an Amazon API Gateway API. The SysOps administrator must delete the AWS Cloud Formation stack without deleting the DynamoOB table.
Which action should the SysOps administrator take before deleting the AWS Cloud Formation stack?

A. Add a Retain deletion policy to the DynamoOB resource in the AWS CloudFormation stack.
B. Add a Snapshot deletion policy to the DynamoOB resource In the AWS CloudFormation stack.
C. Enable termination protection on the AWS Cloud Formation stack.
D. Update the application's IAM policy with a Deny statement for the dynamodb:DeleteTabie action.

Answer: A

NEW QUESTION 3
- (Exam Topic 1)
A SysOps administrator needs to secure the credentials for an Amazon RDS database that is created by an AWS CloudFormation template. The solution must encrypt the credentials and must support automatic rotation.
Which solution will meet these requirements?

A. Create an AWS::SecretsManager::Secret resource in the CloudFormation templat
B. Reference thecredentials in the AWS::RDS::DBInstance resource by using the resolve:secretsmanager dynamic reference.
C. Create an AWS::SecretsManager::Secret resource in the CloudFormation templat
D. Reference the credentials in the AWS::RDS::DBInstance resource by using the resolve:ssm-secure dynamic reference.
E. Create an AWS::SSM::Parameter resource in the CloudFormation templat
F. Reference the credentials in the AWS::RDS::DBInstance resource by using the resolve:ssm dynamic reference.
G. Create parameters for the database credentials in the CloudFormation templat
H. Use the Ref intrinsic function to provide the credentials to the AWS::RDS::DBInstance resource.

Answer: A

NEW QUESTION 4
- (Exam Topic 1)
A SysOps administrator must set up notifications for whenever combined billing exceeds a certain threshold for all AWS accounts within a company. The administrator has set up AWS Organizations and enabled Consolidated Billing.
Which additional steps must the administrator perform to set up the billing alerts?

A. In the payer account: Enable billing alerts in the Billing and Cost Management console; publish an Amazon SNS message when the billing alert triggers.
B. In each account: Enable billing alerts in the Billing and Cost Management console; set up a billing alarm in Amazon CloudWatch; publish an SNS message when the alarm triggers.
C. In the payer account: Enable billing alerts in the Billing and Cost Management console; set up a billing alarm in the Billing and Cost Management console to publish an SNS message when the alarm triggers.
D. In the payer account: Enable billing alerts in the Billing and Cost Management console; set up a billing alarm in Amazon CloudWatch; publish an SNS message when the alarm triggers.

Answer: D

NEW QUESTION 5
- (Exam Topic 1)
A company is rolling out a new version of its website. Management wants to deploy the new website in a limited rollout to 20% of the company's customers. The company uses Amazon Route 53 for its website's DNS solution.
Which configuration will meet these requirements?

A. Create a failover routing polic
B. Within the policy, configure 80% of the website traffic to be sent to the original resourc
C. Configure the remaining 20% of traffic as the failover record that points to the new resource.
D. Create a multivalue answer routing polic
E. Within the policy, create 4 records with the name and IP address of the original resourc
F. Configure 1 record with the name and IP address of the new resource.
G. Create a latency-based routing polic
H. Within the policy, configure a record pointing to the original resource with a weight of 80. Configure a record pointing to the new resource with a weight of 20.
I. Create a weighted routing polic
J. Within the policy, configure a weight of 80 for the record pointing to the original resourc
K. Configure a weight of 20 for the record pointing to the new resource.

Answer: C

NEW QUESTION 6
- (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 7
- (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 8
- (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 9
- (Exam Topic 1)
A company website contains a web tier and a database tier on AWS. The web tier consists of Amazon EC2 instances that run in an Auto Scaling group across two Availability Zones. The database tier runs on an Amazon ROS for MySQL Multi-AZ DB instance. The database subnet network ACLs are restricted to only the web subnets that need access to the database. The web subnets use the default network ACL with the default rules.
The company's operations team has added a third subnet to the Auto Scaling group configuration. After an Auto Scaling event occurs, some users report that they intermittently receive an error message. The error message states that the server cannot connect to the database. The operations team has confirmed that the route tables are correct and that the required ports are open on all security groups.
Which combination of actions should a SysOps administrator take so that the web servers can communicate with the DB instance? (Select TWO.)

A. On the default AC
B. create inbound Allow rules of type TCP with the ephemeral port range and the source as the database subnets.
C. On the default ACL, create outbound Allow rules of type MySQL/Aurora (3306). Specify the destinations as the database subnets.
D. On the network ACLs for the database subnets, create an inbound Allow rule of type MySQL/Aurora (3306). Specify the source as the third web subnet.
E. On the network ACLs for the database subnets, create an outbound Allow rule of type TCP with the ephemeral port range and the destination as the third web subnet.
F. On the network ACLs for the database subnets, create an outbound Allow rule of type MySQL/Aurora (3306). Specify the destination as the third web subnet.

Answer: CD

NEW QUESTION 10
- (Exam Topic 1)
A company is running a website on Amazon EC2 instances behind an Application Load Balancer (ALB). The company configured an Amazon CloudFront distribution and set the ALB as the origin. The company created an Amazon Route 53 CNAME record to send all traffic through the CloudFront distribution. As an unintended side effect, mobile users are now being served the desktop version of the website.
Which action should a SysOps administrator take to resolve this issue?

A. Configure the CloudFront distribution behavior to forward the User-Agent header.
B. Configure the CloudFront distribution origin setting
C. Add a User-Agent header to the list of origin custom headers.
D. Enable IPv6 on the AL
E. Update the CloudFront distribution origin settings to use the dualstack endpoint.
F. Enable IPv6 on the CloudFront distributio
G. Update the Route 53 record to use the dualstack endpoint.

Answer: A

Explanation:
https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/header-caching.html#header-caching-

NEW QUESTION 10
- (Exam Topic 1)
A company stores its data in an Amazon S3 bucket. The company is required to classify the data and find any sensitive personal information in its S3 files.
Which solution will meet these requirements?

A. Create an AWS Config rule to discover sensitive personal information in the S3 files and mark them as noncompliant.
B. Create an S3 event-driven artificial intelligence/machine learning (AI/ML) pipeline to classify sensitive personal information by using Amazon Recognition.
C. Enable Amazon GuardDut
D. Configure S3 protection to monitor all data inside Amazon S3.
E. Enable Amazon Maci
F. Create a discovery job that uses the managed data identifier.

Answer: D

Explanation:
Amazon Macie is a security service designed to help organizations find, classify, and protect sensitive data stored in Amazon S3. Amazon Macie uses machine learning to automatically discover, classify, and protect sensitive data in Amazon S3. Creating a discovery job with the managed data identifier will allow Macie to identify sensitive personal information in the S3 files and classify it accordingly. Enabling AWS Config and Amazon GuardDuty will not help with this requirement as they are not designed to automatically classify and protect data.

NEW QUESTION 14
- (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 16
- (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 20
- (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 23
- (Exam Topic 1)
A company has an existing web application that runs on two Amazon EC2 instances behind an Application Load Balancer (ALB) across two Availability Zones The application uses an Amazon RDS Multi-AZ DB Instance Amazon Route 53 record sets route requests tor dynamic content to the load balancer and requests for static content to an Amazon S3 bucket Site visitors are reporting extremely long loading times.
Which actions should be taken to improve the performance of the website? (Select TWO)

A. Add Amazon CloudFront caching for static content
B. Change the load balancer listener from HTTPS to TCP
C. Enable Amazon Route 53 latency-based routing
D. Implement Amazon EC2 Auto Scaling for the web servers
E. Move the static content from Amazon S3 to the web servers

Answer: AD

NEW QUESTION 27
- (Exam Topic 1)
A SysOps administrator wants to manage a web server application with AWS Elastic Beanstalk. The Elastic Beanstalk service must maintain full capacity for new deployments at all times.
Which deployment policies satisfy this requirement? (Select TWO.)

A. All at once
B. Immutable
C. Rebuild
D. Rolling
E. Rolling with additional batch

Answer: BE

Explanation:
https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/using-features.rolling-version-deploy.html

NEW QUESTION 28
- (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 31
- (Exam Topic 1)
A company uses AWS Organizations to manage its AWS accounts. A SysOps administrator must create a backup strategy for all Amazon EC2 instances across all the company's AWS accounts.
Which solution will meet these requirements In the MOST operationally efficient way?

A. Deploy an AWS Lambda function to each account to run EC2 instance snapshots on a scheduled basis.
B. Create an AWS CloudFormation stack set in the management account to add an AutoBackup=True tag to every EC2 instance
C. Use AWS Backup In the management account to deploy policies for all accounts and resources.
D. Use a service control policy (SCP) to run EC2 instance snapshots on a scheduled basis in each account.

Answer: B

NEW QUESTION 33
- (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 38
- (Exam Topic 1)
A company has an internal web application that runs on Amazon EC2 instances behind an Application Load
Balancer. The instances run in an Amazon EC2 Auto Scaling group in a single Availability Zone. A SysOps administrator must make the application highly available.
Which action should the SysOps administrator take to meet this requirement?

A. Increase the maximum number of instances in the Auto Scaling group to meet the capacity that is required at peak usage.
B. Increase the minimum number of instances in the Auto Scaling group to meet the capacity that is required at peak usage.
C. Update the Auto Scaling group to launch new instances in a second Availability Zone in the same AWS Region.
D. Update the Auto Scaling group to launch new instances in an Availability Zone in a second AWS Region.

Answer: C

NEW QUESTION 41
- (Exam Topic 1)
A company uses AWS Organizations to manage multiple AWS accounts with consolidated billing enabled. Organization member account owners want the benefits of Reserved Instances (RIs) but do not want to share RIs with other accounts.
Which solution will meet these requirements?

A. Purchase RIs in individual member account
B. Disable Rl discount sharing in the management account.
C. Purchase RIs in individual member account
D. Disable Rl discount sharing in the member accounts.
E. Purchase RIs in the management accoun
F. Disable Rl discount sharing in the management account.
G. Purchase RIs in the management accoun
H. Disable Rl discount sharing in the member accounts.

Answer: A

Explanation:
https://aws.amazon.com/premiumsupport/knowledge-center/ec2-ri-consolidated-billing/
RI discounts apply to accounts in an organization's consolidated billing family depending upon whether RI sharing is turned on or off for the accounts. By default, RI sharing for all accounts in an organization is turned on. The management account of an organization can change this setting by turning off RI sharing for an account. The capacity reservation for an RI applies only to the account the RI was purchased on, no matter whether RI sharing is turned on or off.

NEW QUESTION 45
- (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 50
- (Exam Topic 1)
A SysOps administrator is troubleshooting connection timeouts to an Amazon EC2 instance that has a public IP address. The instance has a private IP address of 172.31.16.139. When the SysOps administrator tries to ping the instance's public IP address from the remote IP address 203.0.113.12, the response is "request timed out." The flow logs contain the following information:

```
2 123456789010 eni-1235b8ca123456789 203.0.113.12 172.31.16.139 0 0 1 4 336 1432917027 1432917142 ACCEPT OK
2 123456789010 eni-1235b8ca123456789 172.31.16.139 203.0.113.12 0 0 1 4 336 1432917094 1432917142 REJECT OK
```

What is one cause of the problem?

A. Inbound security group deny rule
B. Outbound security group deny rule
C. Network ACL inbound rules
D. Network ACL outbound rules

Answer: D

NEW QUESTION 51
- (Exam Topic 1)
A company needs to upload gigabytes of files every day. The company need to achieve higher throughput and upload speeds to Amazon S3 Which action should a SysOps administrator take to meet this requirement?

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

Answer: D

Explanation:
Enable Amazon S3 Transfer Acceleration Amazon S3 Transfer Acceleration can provide fast and secure transfers over long distances between your client and Amazon S3. Transfer Acceleration uses Amazon CloudFront's globally distributed edge locations.
https://aws.amazon.com/premiumsupport/knowledge-center/s3-upload-large-files/

NEW QUESTION 55
- (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

Explanation:
docs.aws.amazon.com/autoscaling/ec2/userguide/as-scaling-target-tracking.html

NEW QUESTION 57
- (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 60
- (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 62
- (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 65
- (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 71
- (Exam Topic 1)
A SysOps administrator has successfully deployed a VPC with an AWS Cloud Formation template The SysOps administrator wants to deploy me same template across multiple accounts that are managed through AWS Organizations.
Which solution will meet this requirement with the LEAST operational overhead?

A. Assume the OrganizationAccountAcccssKolc IAM role from the management accoun
B. Deploy the template in each of the accounts
C. Create an AWS Lambda function to assume a role in each account Deploy the template by using the AWS CloudFormation CreateStack API call
D. Create an AWS Lambda function to query fc a list of accounts Deploy the template by using the AWS Cloudformation CreateStack API call.
E. Use AWS CloudFormation StackSets from the management account to deploy the template in each of the accounts

Answer: D

Explanation:
AWS CloudFormation StackSets extends the capability of stacks by enabling you to create, update, or delete stacks across multiple accounts and AWS Regions

NEW QUESTION 75
- (Exam Topic 1)
A company is using an Amazon Aurora MySQL DB cluster that has point-in-time recovery, backtracking, and automatic backup enabled. A SysOps administrator needs to be able to roll back the DB cluster to a specific recovery point within the previous 72 hours. Restores must be completed in the same production DB cluster.
Which solution will meet these requirements?

A. Create an Aurora Replic
B. Promote the replica to replace the primary DB instance.
C. Create an AWS Lambda function to restore an automatic backup to the existing DB cluster.
D. Use backtracking to rewind the existing DB cluster to the desired recovery point.
E. Use point-in-time recovery to restore the existing DB cluster to the desired recovery point.

Answer: C

Explanation:
"The limit for a backtrack window is 72 hours.....Backtracking is only available for DB clusters that were created with the Backtrack feature enabled....Backtracking "rewinds" the DB cluster to the time you specify. Backtracking is not a replacement for backing up your DB cluster so that you can restore it to a point in time....You can backtrack a DB cluster quickly. Restoring a DB cluster to a point in time launches a new DB cluster and restores it from backup data or a DB cluster snapshot, which can take hours."
https://docs.aws.amazon.com/AmazonRDS/latest/AuroraUserGuide/AuroraMySQL.Managing.Backtrack.html

NEW QUESTION 77
- (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 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 85
- (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 87
- (Exam Topic 1)
A company runs several workloads on AWS. The company identifies five AWS Trusted Advisor service quota metrics to monitor in a specific AWS Region. The company wants to receive email notification each time resource usage exceeds 60% of one of the service quotas.
Which solution will meet these requirements?

A. Create five Amazon CloudWatch alarms, one for each Trusted Advisor service quota metri
B. Configure an Amazon Simple Notification Service (Amazon SNS) topic for email notification each time that usage exceeds 60% of one of the service quotas.

C. Create five Amazon CloudWatch alarms, one for each Trusted Advisor service quota metri
D. Configure an Amazon Simple Queue Service (Amazon SQS) queue for email notification each time that usage exceeds 60% of one of the service quotas.
E. Use the AWS Service Health Dashboard to monitor each Trusted Advisor service quota metric.Configure an Amazon Simple Queue Service (Amazon SQS) queue for email notification each time that usage exceeds 60% of one of the service quotas.
F. Use the AWS Service Health Dashboard to monitor each Trusted Advisor service quota metric.Configure an Amazon Simple Notification Service (Amazon SNS) topic for email notification each time that usage exceeds 60% of one of the service quotas.

Answer: A

Explanation:
CloudWatch alarms allow you to monitor AWS resources, and you can configure an SNS topic to send an email notification each time one of the alarms is triggered. This will ensure that the company receives email notifications each time one of the service quotas is exceeded, allowing the company to take action as needed.

NEW QUESTION 89
- (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 90
- (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 95
- (Exam Topic 1)
A company hosts several write-intensive applications. These applications use a MySQL database that runs on a single Amazon EC2 instance. The company asks a SysOps administrator to implement a highly available database solution that is ideal for multi-tenant workloads.
Which solution should the SysOps administrator implement to meet these requirements?

A. Create a second EC2 instance for MySQ
B. Configure the second instance to be a read replica.
C. Migrate the database to an Amazon Aurora DB cluste
D. Add an Aurora Replica.
E. Migrate the database to an Amazon Aurora multi-master DB cluster.
F. Migrate the database to an Amazon RDS for MySQL DB instance.

Answer: C

NEW QUESTION 99
- (Exam Topic 1)
A SysOps administrator is responsible for a large fleet of Amazon EC2 instances and must know whether any instances will be affected by upcoming hardware maintenance. Which option would provide this information with the LEAST administrative overhead?

A. Deploy a third-party monitoring solution to provide real-time EC2 instance monitoring
B. List any instances with failed system status checks using the AWS Management Console
C. Monitor AWS CloudTrail for Stopinstances API calls
D. Review the AWS Personal Health Dashboard

Answer: D

Explanation:
https://docs.aws.amazon.com/health/latest/ug/cloudwatch-events-health.html

NEW QUESTION 102
- (Exam Topic 1)
A Sysops administrator has created an Amazon EC2 instance using an AWS CloudFormation template in the us-east-I Region. The administrator finds that this template has failed to create an EC2 instance in the us-west-2 Region. What is one cause for this failure?

A. Resource tags defined in the CloudFormation template are specific to the us-east-I Region.
B. The Amazon Machine Image (AMI) ID referenced in the CloudFormation template could not be found in the us-west-2 Region.
C. The cfn-init script did not run during resource provisioning in the us-west-2 Region.
D. The IAM user was not created in the specified Region.

Answer: B

Explanation:
One possible cause for the failure of the CloudFormation template to create an EC2 instance in the us-west-2 Region is that the Amazon Machine Image (AMI) ID referenced in the template could not be found in the us-west-2 Region. This could be due to the fact that the AMI is not available in that region, or the credentials used to access the AMI were not configured properly. The other options (resource tags defined in the CloudFormation template are specific to the us-east-I Region, the cfn-init script did not run during resource provisioning in the us-west-2 Region, and the IAM user was not created in the specified Region) are not valid causes for this failure.

NEW QUESTION 107
- (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 110
- (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 113
- (Exam Topic 1)
A company is migrating its production file server to AWS. All data that is stored on the file server must remain accessible if an Availability Zone becomes unavailable or when system maintenance is performed. Users must be able to interact with the file server through the SMB protocol. Users also must have the ability to manage file permissions by using Windows ACLs.
Which solution will net these requirements?

A. Create a single AWS Storage Gateway file gateway.
B. Create an Amazon FSx for Windows File Server Multi-AZ file system.
C. Deploy two AWS Storage Gateway file gateways across two Availability Zone
D. Configure an Application Load Balancer in front of the file gateways.
E. Deploy two Amazon FSx for Windows File Server Single-AZ 2 file system
F. Configure Microsoft Distributed File System Replication (DFSR).

Answer: B

Explanation:
https://aws.amazon.com/fsx/windows/

NEW QUESTION 118
- (Exam Topic 1)
A company plans to deploy a database on an Amazon Aurora MySQL DB cluster. The database will store data for a demonstration environment. The data must be reset on a daily basis.
What is the MOST operationally efficient solution that meets these requirements?

A. Create a manual snapshot of the DB cluster after the data has been populate
B. Create an Amazon EventBridge (Amazon CloudWatch Events) rule to invoke an AWS Lambda function on a daily basi
C. Configure the function to restore the snapshot and then delete the previous DB cluster.
D. Enable the Backtrack feature during the creation of the DB cluste

E. Specify a target backtrack window of 48 hour
F. Create an Amazon EventBridge (Amazon CloudWatch Events) rule to invoke an AWS Lambda function on a daily basi
G. Configure the function to perform a backtrack operation.
H. Export a manual snapshot of the DB cluster to an Amazon S3 bucket after the data has been populated.Create an Amazon EventBridge (Amazon CloudWatch Events) rule to invoke an AWS Lambda function on a daily basi
I. Configure the function to restore the snapshot from Amazon S3.
J. Set the DB cluster backup retention period to 2 day
K. Create an Amazon EventBridge (Amazon CloudWatch Events) rule to invoke an AWS Lambda function on a daily basi
L. Configure the function to restore the DB cluster to a point in time and then delete the previous DB cluster.

Answer: D

Explanation:
Create an Amazon EventBridge (Amazon CloudWatch Events) rule to invoke an AWS Lambda function on a daily basis. Configure the function to restore the DB cluster to a point in time and then delete the previous DB cluster. This is the most operationally efficient solution that meets the requirements, as it will allow the company to reset the database on a daily basis without having to manually take and restore snapshots. The other solutions (creating a manual snapshot of the DB cluster, enabling the Backtrack feature, or exporting a manual snapshot of the DB cluster to Amazon S3) will require additional steps and resources to reset the database on a daily basis.

NEW QUESTION 123
- (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 128
- (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 129
- (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 134
- (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 136
- (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 138
- (Exam Topic 1)
A SysOps administrator needs to configure a solution that will deliver digital content to a set of authorized users through Amazon CloudFront. Unauthorized users must be restricted from access. Which solution will meet these requirements?

A. Store the digital content in an Amazon S3 bucket that does not have public access blocke
B. Use signed URLs to access the S3 bucket through CloudFront.
C. Store the digital content in an Amazon S3 bucket that has public access blocke
D. Use an origin access identity (OAI) to deliver the content through CloudFron
E. Restrict S3 bucket access with signed URLs in CloudFront.
F. Store the digital content in an Amazon S3 bucket that has public access blocke
G. Use an origin access identity (OAI) to deliver the content through CloudFron
H. Enable field-level encryption.
I. Store the digital content in an Amazon S3 bucket that does not have public access blocke
J. Use signed cookies for restricted delivery of the content through CloudFront.

Answer: B

NEW QUESTION 142
- (Exam Topic 1)
A company has a public website that recently experienced problems. Some links led to missing webpages, and other links rendered incorrect webpages. The application infrastructure was running properly, and all the provisioned resources were healthy. Application logs and dashboards did not show any errors, and no monitoring alarms were raised. Systems administrators were not aware of any problems until end users reported the issues.
The company needs to proactively monitor the website for such issues in the future and must implement a solution as soon as possible.
Which solution will meet these requirements with the LEAST operational overhead?

A. Rewrite the application to surface a custom error to the application log when issues occur.Automatically parse logs for error
B. Create an Amazon CloudWatch alarm to provide alerts when issues are detected.
C. Create an AWS Lambda function to test the websit
D. Configure the Lambda function to emit an Amazon CloudWatch custom metric when errors are detecte
E. Configure a CloudWatch alarm to provide alerts when issues are detected.
F. Create an Amazon CloudWatch Synthetics canar
G. Use the CloudWatch Synthetics Recorder plugin to generate the script for the canary ru
H. Configure the canary in line with requirement
I. Create an alarm to provide alerts when issues are detected.

Answer: A

NEW QUESTION 145
- (Exam Topic 1)
A company uses Amazon Route 53 to manage the public DNS records for the domain example.com. The company deploys an Amazon CloudFront distribution to deliver static assets for a new corporate website. The company wants to create a subdomain that is named "static" and must route traffic for the subdomain to the CloudFront distribution.
How should a SysOps administrator create a new record for the subdomain in Route 53?

A. Create a CNAME recor
B. Enter static.cloudfront.net as the record nam
C. Enter the CloudFront distribution's public IP address as the value.
D. Create a CNAME recor
E. Enter static.example.com as the record nam
F. Enter the CloudFront distribution's private IP address as the value.
G. Create an A recor
H. Enter static.cloudfront.net as the record nam
I. Enter the CloudFront distribution's ID as an alias target.
J. Create an A recor
K. Enter static.example.com as the record nam
L. Enter the CloudFront distribution's domain name as an alias target.

Answer: D

Explanation:
https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/routing-to-cloudfront-distribution.html

NEW QUESTION 149
- (Exam Topic 1)
A company's SysOps administrator regularly checks the AWS Personal Health Dashboard in each of the company's accounts. The accounts are part of an organization in AWS Organizations. The company recently added 10 more accounts to the organization. The SysOps administrator must consolidate the alerts from each account's Personal Health Dashboard.
Which solution will meet this requirement with the LEAST amount of effort?

A. Enable organizational view in AWS Health.
B. Configure the Personal Health Dashboard in each account to forward events to a central AWS CloudTrail log.
C. Create an AWS Lambda function to query the AWS Health API and to write all events to an Amazon DynamoDB table.
D. Use the AWS Health API to write events to an Amazon DynamoDB table.

Answer: A

Explanation:
Enabling the organizational view in AWS Health will allow the SysOps administrator to consolidate the alerts from each account's Personal Health Dashboard. It will also provide the administrator with a single view of all the accounts in the organization, allowing them to easily monitor the health of all the accounts in the organization.
Reference:
[1] https://aws.amazon.com/premiumsupport/knowledge-center/organizational-view-health-dashboard/

NEW QUESTION 153
- (Exam Topic 1)
A SysOps administrator is creating two AWS CloudFormation templates. The first template will create a VPC with associated resources, such as subnets, route tables, and an internet gateway. The second template will deploy application resources within the VPC that was created by the first template. The second template should refer to the resources created by the first template.
How can this be accomplished with the LEAST amount of administrative effort?

A. Add an export field to the outputs of the first template and import the values in the second template.
B. Create a custom resource that queries the stack created by the first template and retrieves the required values.
C. Create a mapping in the first template that is referenced by the second template.
D. Input the names of resources in the first template and refer to those names in the second template as a parameter.

Answer: A

Explanation:
https://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/using-cfn-stack-exports.html

NEW QUESTION 154
- (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 157
- (Exam Topic 1)
A company is creating a new multi-account architecture. A Sysops administrator must implement a login solution to centrally manage user access and permissions across all AWS accounts. The solution must be integrated with AWS Organizations and must be connected to a third-party Security Assertion Markup Language (SAML) 2.0 identity provider (IdP).
What should the SysOps administrator do to meet these requirements?

A. Configure an Amazon Cognito user poo
B. Integrate the user pool with the third-party IdP.
C. Enable and configure AWS Single Sign-On with the third-party IdP.

D. Federate the third-party IdP with AWS Identity and Access Management (IAM) for each AWS account in the organization.
E. Integrate the third-party IdP directly with AWS Organizations.

Answer: A

NEW QUESTION 158
- (Exam Topic 1)
A SysOps administrator is attempting to download patches from the internet into an instance in a private subnet. An internet gateway exists for the VPC, and a NAT gateway has been deployed on the public subnet; however, the instance has no internet connectivity. The resources deployed into the private subnet must be inaccessible directly from the public internet.

Public Subnet (10.0.1.0/24) Route Table

Destination	Target
10.0.0.0/16	local
0.0.0.0/0	IGW

Private Subnet (10.0.2.0/24) Route Table

Destination	Target
10.0.0.0/16	local

What should be added to the private subnet's route table in order to address this issue, given the information provided?

A. 0.0.0.0/0 IGW
B. 0.0.0.0/0 NAT
C. 10.0.1.0/24 IGW
D. 10.0.1.0/24 NAT

Answer: B

NEW QUESTION 163
- (Exam Topic 1)
A company is using an AWS KMS customer master key (CMK) with imported key material The company references the CMK by its alias in the Java application to encrypt data The CMK must be rotated every 6 months
What is the process to rotate the key?

A. Enable automatic key rotation for the CMK and specify a period of 6 months
B. Create a new CMK with new imported material, and update the key alias to point to the new CMK.
C. Delete the current key material, and import new material into the existing CMK
D. Import a copy of the existing key material into a new CMK as a backup, and set the rotation schedule for 6 months

Answer: B

NEW QUESTION 165
- (Exam Topic 1)
A company is undergoing an external audit of its systems, which run wholly on AWS. A SysOps administrator must supply documentation of Payment Card Industry Data Security Standard (PCI DSS) compliance for the infrastructure managed by AWS.
Which set of action should the SysOps administrator take to meet this requirement?

A. Download the applicable reports from the AWS Artifact portal and supply these to the auditors.
B. Download complete copies of the AWS CloudTrail log files and supply these to the auditors.
C. Download complete copies of the AWS CloudWatch logs and supply these to the auditors.
D. Provide the auditors with administrative access to the production AWS account so that the auditors can determine compliance.

Answer: A

NEW QUESTION 170
- (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 174
- (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 179
- (Exam Topic 1)
A company is using Amazon Elastic Container Sen/ice (Amazon ECS) to run a containerized application on Amazon EC2 instances. A SysOps administrator needs to monitor only traffic flows between the ECS tasks.
Which combination of steps should the SysOps administrator take to meet this requirement? (Select TWO.)

A. Configure Amazon CloudWatch Logs on the elastic network interface of each task.
B. Configure VPC Flow Logs on the elastic network interface of each task.
C. Specify the awsvpc network mode in the task definition.
D. Specify the bridge network mode in the task definition.
E. Specify the host network mode in the task definition.

Answer: AE

NEW QUESTION 180
- (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 182
- (Exam Topic 1)
A large company is using AWS Organizations to manage its multi-account AWS environment. According to company policy, all users should have read-level access to a particular Amazon S3 bucket in a central account. The S3 bucket data should not be available outside the organization. A SysOps administrator must set up the permissions and add a bucket policy to the S3 bucket.
Which parameters should be specified to accomplish this in the MOST efficient manner?

A. Specify '*' as the principal and PrincipalOrgId as a condition.
B. Specify all account numbers as the principal.
C. Specify PrincipalOrgId as the principal.
D. Specify the organization's management account as the principal.

Answer: C

NEW QUESTION 183
- (Exam Topic 1)
A company has a web application with a database tier that consists of an Amazon EC2 instance that runs MySQL. A SysOps administrator needs to minimize potential data loss and the time that is required to recover in the event of a database failure.
What is the MOST operationally efficient solution that meets these requirements?

A. Create an Amazon CloudWatch alarm for the StatusCheckFailed_System metric to invoke an AWS Lambda function that stops and starts the EC2 instance.
B. Create an Amazon RDS for MySQL Multi-AZ DB instanc
C. Use a MySQL native backup that is stored in Amazon S3 to restore the data to the new databas
D. Update the connection string in the web application.
E. Create an Amazon RDS for MySQL Single-AZ DB instance with a read replic

F. Use a MySQL native backup that is stored in Amazon S3 to restore the data to the new databas
G. Update the connection string in the web application.
H. Use Amazon Data Lifecycle Manager (Amazon DLM) to take a snapshot of the Amazon Elastic Block Store (Amazon EBS) volume every hou
I. In the event of an EC2 instance failure, restore the EBS volume from a snapshot.

Answer: D

NEW QUESTION 188
- (Exam Topic 1)
A company has a stateless application that runs on four Amazon EC2 instances. The application requires tour instances at all times to support all traffic. A SysOps administrator must design a highly available,
fault-tolerant architecture that continually supports all traffic if one Availability Zone becomes unavailable.
Which configuration meets these requirements?

A. Deploy two Auto Scaling groups in two Availability Zones with a minimum capacity of two instances in each group.
B. Deploy an Auto Scaling group across two Availability Zones with a minimum capacity of four instances.
C. Deploy an Auto Scaling group across three Availability Zones with a minimum capacity of four instances.
D. Deploy an Auto Scaling group across three Availability Zones with a minimum capacity of six instances.

Answer: C

NEW QUESTION 189
- (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 193
- (Exam Topic 1)
A company is releasing a new static website hosted on Amazon S3. The static website hosting feature was enabled on the bucket and content was uploaded: however, upon navigating to the site, the following error message is received:
403 Forbidden - Access Denied
What change should be made to fix this error?

A. Add a bucket policy that grants everyone read access to the bucket.
B. Add a bucket policy that grants everyone read access to the bucket objects.
C. Remove the default bucket policy that denies read access to the bucket.
D. Configure cross-origin resource sharing (CORS) on the bucket.

Answer: B

NEW QUESTION 194
- (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 197

- (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 200
- (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 203
- (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 204
- (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 208
- (Exam Topic 1)
A company uses an Amazon CloudFront distribution to deliver its website. Traffic logs for the website must be centrally stored, and all data must be encrypted at rest.
Which solution will meet these requirements?

A. Create an Amazon OpenSearch Service (Amazon Elasticsearch Service) domain with internet access and server-side encryption that uses the default AWS managed ke
B. Configure CloudFront to use theAmazon OpenSearch Service (Amazon Elasticsearch Service) domain as a log destination.
C. Create an Amazon OpenSearch Service (Amazon Elasticsearch Service) domain with VPC access and server-side encryption that uses AES-256 Configure CloudFront to use the Amazon OpenSearch Service (Amazon Elasticsearch Service) domain as a log destination.
D. Create an Amazon S3 bucket that Is configured with default server-side encryption that uses AES-256.Configure CloudFront to use the S3 bucket as a log destination.
E. Create an Amazon S3 bucket that is configured with no default encryptio
F. Enable encryption in the CloudFront distribution, and use the S3 bucket as a log destination.

Answer: C

NEW QUESTION 213
- (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 215
- (Exam Topic 1)
A SysOps administrator is trying to set up an Amazon Route 53 domain name to route traffic to a website hosted on Amazon S3. The domain name of the website is www.anycompany.com and the S3 bucket name is anycompany-static. After the record set is set up in Route 53, the domain name www.anycompany.com does not seem to work, and the static website is not displayed in the browser.
Which of the following is a cause of this?

A. The S3 bucket must be configured with Amazon CloudFront first.
B. The Route 53 record set must have an IAM role that allows access to the S3 bucket.
C. The Route 53 record set must be in the same region as the S3 bucket.
D. The S3 bucket name must match the record set name in Route 53.

Answer: D

NEW QUESTION 219
- (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 224
- (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 228
- (Exam Topic 1)
A company has an Amazon CloudFront distribution that uses an Amazon S3 bucket as its origin. During a review of the access logs, the company determines that some requests are going directly to the S3 bucket by using the website hosting endpoint. A SysOps administrator must secure the S3 bucket to allow requests only from CloudFront.
What should the SysOps administrator do to meet this requirement?

A. Create an origin access identity (OAI) in CloudFron
B. Associate the OAI with the distributio
C. Remove access to and from other principals in the S3 bucket polic
D. Update the S3 bucket policy to allow accessonly from the OAI.
E. Create an origin access identity (OAI) in CloudFron
F. Associate the OAI with the distributio
G. Update the S3 bucket policy to allow access only from the OA
H. Create a new origin, and specify the S3 bucket as the new origi
I. Update the distribution behavior to use the new origi

J. Remove the existing origin.
K. Create an origin access identity (OAI) in CloudFron
L. Associate the OAI with the distributio
M. Update the S3 bucket policy to allow access only from the OA
N. Disable website hostin
O. Create a new origin, and specify the S3 bucket as the new origi
P. Update the distribution behavior to use the new origi
Q. Remove the existing origin.
R. Update the S3 bucket policy to allow access only from the CloudFront distributio
S. Remove access to and from other principals in the S3 bucket polic
T. Disable website hostin
. Create a new origin, and specify the S3 bucket as the new origi
. Update the distribution behavior to use the new origi
. Remove the existing origin.

Answer: A

NEW QUESTION 230
- (Exam Topic 1)
A SysOps administrator needs to track the costs of data transfer between AWS Regions. The SysOps administrator must implement a solution to send alerts to an email distribution list when transfer costs reach 75% of a specific threshold.
What should the SysOps administrator do to meet these requirements?

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

Answer: B

Explanation:
The reason is that it uses the Amazon CloudWatch billing alarm which is a built-in service specifically designed to monitor and alert on cost usage of your AWS account, which makes it a more suitable solution for this use case. The alarm can be configured to detect when costs reach 75% of the threshold and when it is triggered, it can publish a message to an Amazon Simple Notification Service (Amazon SNS) topic. The email distribution list can be subscribed to the topic, so that they will receive the alerts when costs reach 75% of the threshold.
AWS Budgets allows you to track and manage your costs, but it doesn't specifically focus on data transfer costs between regions, and it might not provide as much granularity as CloudWatch Alarms.

NEW QUESTION 234
- (Exam Topic 1)
A company's customers are reporting increased latency while accessing static web content from Amazon S3 A SysOps administrator observed a very high rate of read operations on a particular S3 bucket
What will minimize latency by reducing load on the S3 bucket?

A. Migrate the S3 bucket to a region that is closer to end users' geographic locations
B. Use cross-region replication to replicate all of the data to another region
C. Create an Amazon CloudFront distribution with the S3 bucket as the origin.
D. Use Amazon ElastiCache to cache data being served from Amazon S3

Answer: C

NEW QUESTION 236
- (Exam Topic 1)
A company uses Amazon Elasticsearch Service (Amazon ES) to analyze sales and customer usage data. Members of the company's geographically dispersed sales team are traveling. They need to log in to Kibana by using their existing corporate credentials that are stored in Active Directory. The company has deployed Active Directory Federation Services (AD FS) to enable authentication to cloud services. Which solution will meet these requirements?

A. Configure Active Directory as an authentication provider in Amazon E
B. Add the Active Directory server's domain name to Amazon E
C. Configure Kibana to use Amazon ES authentication.
D. Deploy an Amazon Cognito user poo
E. Configure Active Directory as an external identity provider for the user poo
F. Enable Amazon Cognito authentication for Kibana on Amazon ES.
G. Enable Active Directory user authentication in Kiban
H. Create an IP-based custom domain access policy in Amazon ES that includes the Active Directory server's IP address.
I. Establish a trust relationship with Kibana on the Active Directory serve
J. Enable Active Directory user authentication in Kiban
K. Add the Active Directory server's IP address to Kibana.

Answer: B

Explanation:
https://aws.amazon.com/blogs/security/how-to-enable-secure-access-to-kibana-using-aws-single-sign-on/ https://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html

NEW QUESTION 237
- (Exam Topic 1)
A company is expanding globally and needs to back up data on Amazon Elastic Block Store (Amazon EBS) volumes to a different AWS Region. Most of the EBS volumes that store the data are encrypted, but some of the EBS volumes are unencrypted. The company needs the backup data from all the EBS volumes to be encrypted.
Which solution will meet these requirements with the LEAST management overhead?

A. Configure a lifecycle policy in Amazon Data Lifecycle Manager (Amazon DLM) to create the EBS volume snapshots with cross-Region backups enable
B. Encrypt the snapshot copies by using AWS Key Management Service (AWS KMS).
C. Create a point-in-time snapshot of the EBS volume
D. When the snapshot status is COMPLETED, copy the snapshots to another Region and set the Encrypted parameter to False.
E. Create a point-in-time snapshot of the EBS volume
F. Copy the snapshots to an Amazon S3 bucket that uses server-side encryptio
G. Turn on S3 Cross-Region Replication on the S3 bucket.
H. Schedule an AWS Lambda function with the Python runtim
I. Configure the Lambda function to create the EBS volume snapshots, encrypt the unencrypted snapshots, and copy the snapshots to another Region.

Answer: A

Explanation:
Encrypt the snapshot copies by using AWS Key Management Service (AWS KMS). This solution will allow
the company to automatically create encrypted snapshots of the EBS volumes and copy them to different AWS Regions with minimal effort.

NEW QUESTION 238
- (Exam Topic 1)
A SysOps administrator configures an Amazon S3 gateway endpoint in a VPC. The private subnets inside the VPC do not nave outbound internet access. A user logs in to an Amazon EC2 instance in one of the private subnets and cannot upload a file to an Amazon S3 bucket in the same AWS Region
Which solution will solve this problem?

A. Update the EC2 instance role policy to allow s3:PutObjed access to the target S3 bucket.
B. Update the EC2 security group to allow outbound traffic to 0.0.0.070 for port 80.
C. Update the EC2 subnet route table to include the S3 prefix list destination routes to the S3 gateway endpoint.
D. Update the S3 bucket policy to allow s3 PurObject access from the private subnet CIDR block.

Answer: C

NEW QUESTION 242
- (Exam Topic 1)
A company needs to create a daily Amazon Machine Image (AMI) of an existing Amazon Linux EC2 instance that hosts the operating system, application, and database on multiple attached Amazon Elastic Block Store (Amazon EBS) volumes. File system integrity must be maintained.
Which solution will meet these requirements?

A. Create an AWS Lambda function to call the CreateImage API operation with the EC2 instance ID and the no-reboot parameter enable
B. Create a daily scheduled Amazon EventBridge (Amazon CloudWatch Events) rule that invokes the function.
C. Create an AWS Lambda function to call the CreateImage API operation with the EC2 instance ID and the reboot parameter enable
D. Create a daily scheduled Amazon EventBridge (Amazon CloudWatch Events) rule that invokes the function.
E. Use AWS Backup to create a backup plan with a backup rule that runs dail
F. Assign the resource ID of the EC2 instance with the no-reboot parameter enabled.
G. Use AWS Backup to create a backup plan with a backup rule that runs dail
H. Assign the resource ID of the EC2 instance with the reboot parameter enabled.

Answer: B

Explanation:
https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/Creating_EBSbacked_WinAMI.html "NoReboot By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image.
If the No Reboot option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed." Besides, we can use AWS EventBridge to invoke Lambda function
https://docs.aws.amazon.com/AWSEC2/latest/APIReference/API_CreateImage.html

NEW QUESTION 246
- (Exam Topic 1)
A company is running an application on a fleet of Amazon EC2 instances behind an Application Load Balancer (ALB). The EC2 instances are launched by an Auto Scaling group and are automatically registered in a target group. A SysOps administrator must set up a notification to alert application owners when targets fail health checks.
What should the SysOps administrator do to meet these requirements?

A. Create an Amazon CloudWatch alarm on the UnHealthyHostCount metri
B. Configure an action to send an Amazon Simple Notification Service (Amazon SNS) notification when the metric is greater than 0.
C. Configure an Amazon EC2 Auto Scaling custom lifecycle action to send an Amazon Simple Notification Service (Amazon SNS) notification when an instance is in the Pending:Wait state.
D. Update the Auto Scaling grou
E. Configure an activity notification to send an Amazon Simple Notification Service (Amazon SNS) notification for the Unhealthy event type.
F. Update the ALB health check to send an Amazon Simple Notification Service (Amazon SNS) notification when an instance is unhealthy.

Answer: A

NEW QUESTION 250
- (Exam Topic 1)
A company needs to automatically monitor an AWS account for potential unauthorized AWS Management Console logins from multiple geographic locations.
Which solution will meet this requirement?

A. Configure Amazon Cognito to detect any compromised 1AM credentials.
B. Set up Amazon Inspecto
C. Scan and monitor resources for unauthorized logins.
D. Set up AWS Confi
E. Add the iam-policy-blacklisted-check managed rule to the account.
F. Configure Amazon GuardDuty to monitor the UnauthorizedAccess:IAMUser/ConsoleLoginSuccess finding.

Answer: D

NEW QUESTION 255
- (Exam Topic 1)
A SysOps administrator has an AWS CloudFormation template of the company's existing infrastructure in us-west-2. The administrator attempts to use the template to launch a new stack in eu-west-1, but the stack only partially deploys, receives an error message, and then rolls back.
Why would this template fail to deploy? (Select TWO.)

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

Answer: BD

NEW QUESTION 256
- (Exam Topic 1)
A company needs to ensure strict adherence to a budget for 25 applications deployed on AWS Separate teams are responsible for storage compute, and database costs. A SysOps administrator must implement an automated solution to alert each team when their projected spend will exceed a quarterly amount mat has been set by the finance department. The solution cannot additional compute, storage, or database costs.

A. Configure AWS Cost and Usage Reports to send a daily report to an Amazon S3 bucke
B. Create an AWS Lambda function that will evaluate Spend by service and nobly each team by using Amazon Simple Notification Service (Amazon SNS) notification
C. Invoke the Lambda function when a report is placed in the S3 bucket
D. Configure AWS Cost and Usage Reports to send a dairy report to an Amazon S3 bucke
E. Create a rule In Amazon EventBridge (Amazon CloudWatch Events) to evaluate the spend by service and notify each team by using Amazon Simple Queue Service (Amazon SOS) when the cost threshold i6 exceeded.
F. Use AWS Budgets :o create one cost budget and select each of the services in use Specify the budget amount defined by the finance department along with the forecasted cost threshold Enter the appropriate email recipients for the budget.
G. Use AWS Budgets to create a cost budget for each team, filtering by the services they ow
H. Specify the budget amount defined by the finance department along with a forecasted cost threshold Enter the appropriate email recipients for each budget.

Answer: D

NEW QUESTION 258
- (Exam Topic 1)
A data storage company provides a service that gives users the ability to upload and download files as needed. The files are stored in Amazon S3 Standard and must be immediately retrievable for 1 year. Users access files frequently during the first 30 days after the files are stored. Users rarely access files after 30 days.
The company's SysOps administrator must use S3 Lifecycle policies to implement a solution that maintains object availability and minimizes cost.
Which solution will meet these requirements?

A. Move objects to S3 Glacier after 30 days.
B. Move objects to S3 One Zone-Infrequent Access (S3 One Zone-IA) after 30 days.
C. Move objects to S3 Standard-Infrequent Access (S3 Standard-IA) after 30 days.
D. Move objects to S3 Standard-Infrequent Access (S3 Standard-IA) immediately.

Answer: C

Explanation:
https://aws.amazon.com/s3/storage-classes/

NEW QUESTION 261
- (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 266
- (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 267
- (Exam Topic 1)
A team of On-call engineers frequently needs to connect to Amazon EC2 Instances In a private subnet to troubleshoot and run commands. The Instances use either the latest AWS-provided Windows Amazon Machine Images (AMIs) or Amazon Linux AMIs.
The team has an existing IAM role for authorization. A SysOps administrator must provide the team with
access to the Instances by granting IAM permissions to this Which solution will meet this requirement?

A. Add a statement to the IAM role policy to allow the ssm:StartSession action on the instance
B. Instruct the team to use AWS Systems Manager Session Manager to connect to the Instances by using the assumed IAM role.
C. Associate an Elastic IP address and a security group with each instanc
D. Add the engineers' IP addresses to the security group inbound rule
E. Add a statement to the IAM role policy to allow the ec2:AuthoflzeSecurityGroupIngress action so that the team can connect to the Instances.
F. Create a bastion host with an EC2 Instance, and associate the bastion host with the VP
G. Add a statement to the IAM role policy to allow the ec2:CreateVpnConnection action on the bastion hos
H. Instruct the team to use the bastion host endpoint to connect to the instances.D Create an internet-facing Network Load Balance
I. Use two listener
J. Forward port 22 to a target group of Linux instance
K. Forward port 3389 to a target group of Windows Instance
L. Add a statement to the IAM role policy to allow the ec2:CreateRoute action so that the team can connect to the Instances.

Answer: A

NEW QUESTION 272
- (Exam Topic 1)
A SysOps administrator creates two VPCs, VPC1 and VPC2, in a company's AWS account The SysOps administrator deploys a Linux Amazon EC2 instance in VPC1 and deploys an Amazon RDS for MySQL DB instance in VPC2. The DB instance is deployed in a private subnet. An application that runs on the EC2 instance needs to connect to the database.
What should the SysOps administrator do to give the EC2 instance the ability to connect to the database?

A. Enter the DB instance connection string into the VPC1 route table.
B. Configure VPC peering between the two VPCs.
C. Add the same IPv4 CIDR range for both VPCs.
D. Connect to the DB instance by using the DB instance's public IP address.

Answer: B

Explanation:
VPC peering allows two VPCs to communicate with each other securely. By configuring VPC peering between the two VPCs, the SysOps administrator will be able to give the EC2 instance in VPC1 the ability to connect to the database in VPC2. Once the VPC peering is configured, the EC2 instance will be able to communicate with the database using the private IP address of the DB instance in the private subnet.

NEW QUESTION 273
- (Exam Topic 1)
A SysOps administrator created an AWS Cloud Formation template that provisions Amazon EC2 instances, an Elastic Load Balancer (ELB), and an Amazon RDS DB instance. During stack creation, the creation of the EC2 instances and the creation of the ELB are successful. However, the creation of the DB instance fails.
What is the default behavior of CloudFormation in this scenario?

A. CloudFormation will roll back the stack and delete the stack.

B. CloudFormation will roll back the stack but will not delete the stack.
C. CloudFormation will prompt the user to roll back the stack or continue.
D. CloudFormation will successfully complete the stack but will report a failed status for the DB instance.

Answer: C

NEW QUESTION 278
- (Exam Topic 1)
A company's VPC has connectivity to an on-premises data center through an AWS Site-to-Site VPN. The company needs Amazon EC2 instances in the VPC to send DNS queries for example com to the DNS servers in the data center.
Which solution will meet these requirements?

A. Create an Amazon Route 53 Resolver inbound endpoint Create a conditional forwarding rule on the on-primes DNS servers to forward DNS requests for example.com to the inbound endpoints.
B. Create an Amazon Route 53 Resolver inbound endpoint Create a forwarding rule on the resolver that sends all queries for example.com to the on-premises DNS server
C. Associate this rule with the VPC.
D. Create an Amazon Route 53 Resolver outbound endpoint Create a conditional forwarding rule on the on-premises DNS servers to forward DNS requests for example.com to the outbound endpoints
E. Create an Amazon Route 53 Resolver outbound endpoin
F. Create a forwarding rule on the resolver that sends all queries for exarrc4e.com to the on-premises DNS servers Associate this rule with the VPC.

Answer: C

NEW QUESTION 282
- (Exam Topic 1)
A SysOps administrator is deploying a test site running on Amazon EC2 instances. The application requires both incoming and outgoing connectivity to the internet.
Which combination of steps are required to provide internet connectivity to the EC2 instances? (Choose two.)

A. Add a NAT gateway to a public subnet.
B. Attach a private address to the elastic network interface on the EC2 instance.
C. Attach an Elastic IP address to the internet gateway.
D. Add an entry to the route table for the subnet that points to an internet gateway.
E. Create an internet gateway and attach it to a VPC.

Answer: DE

Explanation:
https://docs.aws.amazon.com/vpc/latest/userguide/VPC_Internet_Gateway.html

NEW QUESTION 286
- (Exam Topic 1)
A SysOps administrator is reviewing VPC Flow Logs to troubleshoot connectivity issues in a VPC. While reviewing the togs the SysOps administrator notices that rejected traffic is not listed.
What should the SysOps administrator do to ensure that all traffic is logged?

A. Create a new flow tog that has a titter setting to capture all traffic
B. Create a new flow log set the tog record format to a custom format Select the proper fields to include in the tog
C. Edit the existing flow log Change the fitter setting to capture all traffic
D. Edit the existing flow lo
E. Set the log record format to a custom format Select the proper fields to include in the tog

Answer: A

NEW QUESTION 287
- (Exam Topic 1)
An Amazon EC2 instance is running an application that uses Amazon Simple Queue Service (Amazon SQS} queues A SysOps administrator must ensure that the application can read, write, and delete messages from the SQS queues
Which solution will meet these requirements in the MOST secure manner?

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

Answer: D

NEW QUESTION 291
- (Exam Topic 1)
A manufacturing company uses an Amazon RDS DB instance to store inventory of all stock items. The company maintains several AWS Lambda functions that interact with the database to add, update, and delete items. The Lambda functions use hardcoded credentials to connect to the database.
A SysOps administrator must ensure that the database credentials are never stored in plaintext and that the password is rotated every 30 days.
Which solution will meet these requirements in the MOST operationally efficient manner?

A. Store the database password as an environment variable for each Lambda functio
B. Create a new Lambda function that is named PasswordRotat
C. Use Amazon EventBridge (Amazon CloudWatch Events) to schedule the PasswordRotate function every 30 days to change the database password and update the environment variable for each Lambda function.
D. Use AWS Key Management Service (AWS KMS) to encrypt the database password and to store the encrypted password as an environment variable for each Lambda functio
E. Grant each Lambda function access to the KMS key so that the database password can be decrypted when require
F. Create a new Lambda function that is named PasswordRotate to change the password every 30 days.
G. Use AWS Secrets Manager to store credentials for the databas
H. Create a Secrets Manager secret, and select the database so that Secrets Manager will use a Lambda function to update the database password automaticall
I. Specify an automatic rotation schedule of 30 day
J. Update each Lambda function to access the database password from SecretsManager.
K. Use AWS Systems Manager Parameter Store to create a secure string to store credentials for the databas
L. Create a new Lambda function called PasswordRotat
M. Use Amazon EventBridge (Amazon CloudWatch Events) to schedule the PasswordRotate function every 30 days to change the database password and to update the secret within Parameter Stor
N. Update each Lambda function to access the database password from Parameter Store.

Answer: C

Explanation:
When you choose to enable rotation, Secrets Manager supports the following Amazon Relational Database Service (Amazon RDS) databases with AWS written and tested Lambda rotation function templates, and full configuration of the rotation process:
Amazon Aurora on Amazon RDS MySQL on Amazon RDS PostgreSQL on Amazon RDS Oracle on Amazon RDS MariaDB on Amazon RDS Microsoft SQL Server on Amazon RDS https://docs.aws.amazon.com/secretsmanager/latest/userguide/intro.html

NEW QUESTION 294
- (Exam Topic 1)
A company's SysOps administrator deploys a public Network Load Balancer (NLB) in front of the company's web application. The web application does not use any Elastic IP addresses. Users must access the web application by using the company's domain name. The SysOps administrator needs to configure Amazon Route 53 to route traffic to the NLB.
Which solution will meet these requirements MOST cost-effectively?

A. Create a Route 53 AAAA record for the NLB.
B. Create a Route 53 alias record for the NLB.
C. Create a Route 53 CAA record for the NLB.
D. Create a Route 53 CNAME record for the NLB.

Answer: B

NEW QUESTION 298
- (Exam Topic 1)
A new application runs on Amazon EC2 instances and accesses data in an Amazon RDS database instance. When fully deployed in production, the application fails. The database can be queried from a console on a bastion host. When looking at the web server logs, the following error is repeated multiple times:
"** Error Establishing a Database Connection
Which of the following may be causes of the connectivity problems? {Select TWO.)

A. The security group for the database does not have the appropriate egress rule from the database to the web server.
B. The certificate used by the web server is not trusted by the RDS instance.
C. The security group for the database does not have the appropriate ingress rule from the web server to the database.
D. The port used by the application developer does not match the port specified in the RDS configuration.
E. The database is still being created and is not available for connectivity.

Answer: CD

NEW QUESTION 301
- (Exam Topic 1)
A company hosts a web application on an Amazon EC2 instance in a production VPC. Client connections to the application are failing. A SysOps administrator inspects the VPC flow logs and finds the following entry:
2 111122223333 eni-<###> 192.0.2.15 203.0.113.56 40711 443 6 1 40 1418530010 1418530070 REJECT OK
What is a possible cause of these failed connections?

A. A security group is denying traffic on port 443.
B. The EC2 instance is shut down.
C. The network ACL is blocking HTTPS traffic.
D. The VPC has no internet gateway attached.

Answer: A

Explanation:
https://docs.aws.amazon.com/vpc/latest/userguide/flow-logs-records-examples.html#flow-log-example-accepted
https://docs.aws.amazon.com/vpc/latest/userguide/flow-logs-records-examples.html#
Accepted and rejected traffic: In this example, RDP traffic (destination port 3389, TCP protocol) to network interface eni-1235b8ca123456789 in account 123456789010 was rejected. 2 123456789010
eni-1235b8ca123456789 172.31.9.69 172.31.9.12 49761 3389 6 20 4249 1418530010 1418530070 REJECT OK

NEW QUESTION 305
- (Exam Topic 1)
A company needs to view a list of security groups that are open to the internet on port 3389. What should a SysOps administrator do to meet this requirement?

A. Configure Amazon GuardDuty to scan security groups and report unrestricted access on port 3389.
B. Configure a service control policy (SCP) to identify security groups that allow unrestricted access on port 3389.
C. Use AWS Identity and Access Management Access Analyzer to find any instances that have unrestricted access on port 3389.
D. Use AWS Trusted Advisor to find security groups that allow unrestricted access on port 3389

Answer: D

NEW QUESTION 307
- (Exam Topic 1)
A company has a new requirement stating that all resources in AWS must be tagged according to a set policy. Which AWS service should be used to enforce and continually identify all resources that are not in compliance with the policy?

A. AWS CloudTrail
B. Amazon Inspector
C. AWSConfig
D. AWS Systems Manager

Answer: C

NEW QUESTION 310
- (Exam Topic 1)
A SysOps administrator has used AWS Cloud Formal ion to deploy a serverless application Into a production VPC. The application consists of an AWS Lambda function an Amazon DynamoDB table, and an Amazon API Gateway API. The SysOps administrator must delete the AWS Cloud Formation stack without deleting the DynamoDB table.
Which action should the SysOps administrator take before deleting the AWS Cloud Formation stack?

A. Add a Retain deletion policy to the DynamoDB resource in the AWS CloudFormation stack
B. Add a Snapshot deletion policy to the DynamoDB resource in the AWS CloudFormation stack.
C. Enable termination protection on the AWS Cloud Formation stack.
D. Update the application's IAM policy with a Deny statement for the dynamodb:DeleteTabie action.

Answer: A

NEW QUESTION 312
- (Exam Topic 1)
A software development company has multiple developers who work on the same product. Each developer must have their own development environment, and these development environments must be identical. Each development environment consists of Amazon EC2 instances and an Amazon RDS DB instance. The development environments should be created only when necessary, and they must be terminated each night to minimize costs.
What is the MOST operationally efficient solution that meets these requirements?

A. Provide developers with access to the same AWS CloudFormation template so that they can provision their development environment when necessar
B. Schedule a nightly cron job on each development instance to stop all running processes to reduce CPU utilization to nearly zero.
C. Provide developers with access to the same AWS CloudFormation template so that they can provision their development environment when necessar
D. Schedule a nightly Amazon EventBridge (Amazon CloudWatch Events) rule to invoke an AWS Lambda function to delete the AWS CloudFormation stacks.
E. Provide developers with CLI commands so that they can provision their own development environment when necessar
F. Schedule a nightly Amazon EventBridge (Amazon CloudWatch Events) rule to invoke an AWS Lambda function to terminate all EC2 instances and the DB instance.
G. Provide developers with CLI commands so that they can provision their own development environment when necessar
H. Schedule a nightly Amazon EventBridge (Amazon CloudWatch Events) rule to cause AWS CloudFormation to delete all of the development environment resources.

Answer: B

NEW QUESTION 317
- (Exam Topic 1)
A company's SysOps administrator attempts to restore an Amazon Elastic Block Store (Amazon EBS) snapshot. However, the snapshot is missing because another system administrator accidentally deleted the snapshot. The company needs the ability to recover snapshots for a specified period of time after snapshots are deleted.
Which solution will provide this functionality?

A. Turn on deletion protection on individual EBS snapshots that need to be kept.
B. Create an 1AM policy that denies the deletion of EBS snapshots by using a condition statement for the snapshot age Apply the policy to all users
C. Create a Recycle Bin retention rule for EBS snapshots for the desired retention period.
D. Use Amazon EventBridge (Amazon CloudWatch Events) to schedule an AWS Lambda function to copy EBS snapshots to Amazon S3 Glacier.

Answer: B

NEW QUESTION 318
- (Exam Topic 1)
A company has a VPC with public and private subnets. An Amazon EC2 based application resides in the private subnets and needs to process raw .csv files stored in an Amazon S3 bucket. A SysOps administrator has set up the correct IAM role with the required permissions for the application to access the S3 bucket, but the application is unable to communicate with the S3 bucket.
Which action will solve this problem while adhering to least privilege access?

A. Add a bucket policy to the S3 bucket permitting access from the IAM role.
B. Attach an S3 gateway endpoint to the VP
C. Configure the route table for the private subnet.
D. Configure the route table to allow the instances on the private subnet access through the internet gateway.

E. Create a NAT gateway in a private subnet and configure the route table for the private subnets.

Answer: B

Explanation:
Technology to use is a VPC endpoint - "A VPC endpoint enables private connections between your VPC and supported AWS services and VPC endpoint services powered by AWS PrivateLink. AWS PrivateLink is a technology that enables you to privately access services by using private IP addresses. Traffic between your VPC and the other service does not leave the Amazon network." S3 is an example of a gateway endpoint. We want to see services in AWS while not leaving the VPC.

NEW QUESTION 319
- (Exam Topic 1)
A company is testing Amazon Elasticsearch Service (Amazon ES) as a solution for analyzing system logs from a fleet of Amazon EC2 instances. During the test phase, the domain operates on a single-node cluster. A SysOps administrator needs to transition the test domain into a highly available production-grade deployment.
Which Amazon ES configuration should the SysOps administrator use to meet this requirement?

A. Use a cluster of four data nodes across two AWS Region
B. Deploy four dedicated master nodes in each Region.
C. Use a cluster of six data nodes across three Availability Zone
D. Use three dedicated master nodes.
E. Use a cluster of six data nodes across three Availability Zone
F. Use six dedicated master nodes.
G. Use a cluster of eight data nodes across two Availability Zone
H. Deploy four master nodes in a failover AWS Region.

Answer: B

NEW QUESTION 320
- (Exam Topic 1)
A SysOps administrator uses AWS Systems Manager Session Manager to connect to instances After the SysOps administrator launches a new Amazon EC2 instance the EC2 instance does not appear in the Session Manager list of systems that are available for connection. The SysOps administrator verities that Systems Manager Agent is installed updated and running on the EC2 instance
What is the reason for this issue?

A. The SysOps administrator does not have access to the key pair that is required for connection
B. The SysOps administrator has not attached a security group to the EC2 instance to allow SSH on port 22.
C. The EC2 instance does not have an attached IAM role that allows Session Manager to connect to the EC2 instance.
D. The EC2 instance ID has not been entered into the Session Manager configuration

Answer: C

NEW QUESTION 322
- (Exam Topic 1)
A company uses AWS Organizations. A SysOps administrator wants to use AWS Compute Optimizer and AWS tag policies in the management account to govern all member accounts in the billing family. The SysOps administrator navigates to the AWS Organizations console but cannot activate tag policies through the management account.
What could be the reason for this issue?

A. All features have not been enabled in the organization.
B. Consolidated billing has not been enabled.
C. The member accounts do not have tags enabled for cost allocation.
D. The member accounts have not manually enabled trusted access for Compute Optimizer.

Answer: C

NEW QUESTION 327
- (Exam Topic 1)
A company hosts an online shopping portal in the AWS Cloud. The portal provides HTTPS security by using a TLS certificate on an Elastic Load Balancer (ELB). Recently, the portal suffered an outage because the TLS certificate expired. A SysOps administrator must create a solution to automatically renew certificates to avoid this issue in the future.
What is the MOST operationally efficient solution that meets these requirements?

A. Request a public certificate by using AWS Certificate Manager (ACM). Associate the certificate from ACM with the EL
B. Write a scheduled AWS Lambda function to renew the certificate every 18 months.
C. Request a public certificate by using AWS Certificate Manager (ACM). Associate the certificate from ACM with the EL
D. ACM will automatically manage the renewal of the certificate.
E. Register a certificate with a third-party certificate authority (CA). Import this certificate into AWS Certificate Manager (ACM). Associate the certificate from ACM with the EL
F. ACM will automatically manage the renewal of the certificate.
G. Register a certificate with a third-party certificate authority (CA). Configure the ELB to import the certificate directly from the C
H. Set the certificate refresh cycle on the ELB to refresh when the certificate is within 3 months of the expiration date.

Answer: B

Explanation:
"A certificate is eligible for automatic renewal subject to the following considerations: ELIGIBLE if associated with another AWS service, such as Elastic Load Balancing or CloudFront. ELIGIBLE if exported since being issued or last renewed. ELIGIBLE if it is a private certificate issued by calling the ACM RequestCertificate API and then exported or associated with another AWS service. ELIGIBLE if it is a private certificate issued through the management console

and then exported or associated with another AWS service." https://docs.aws.amazon.com/acm/latest/userguide/managed-renewal.html

NEW QUESTION 331

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