Amazon-Web-Services

Exam Questions SOA-C02

AWS Certified SysOps Administrator - Associate (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 receives an alert from Amazon GuardDuty about suspicious network activity on an Amazon EC2 instance. The GuardDuty finding lists a new external IP address as a traffic destination. The SysOps administrator does not recognize the external IP address. The SysOps administrator must block traffic to the external IP address that GuardDuty identified.
Which solution will meet this requirement?

A. Create a new security group to block traffic to the external IP addres
B. Assign the new security group to the EC2 instance.
C. Use VPC flow logs with Amazon Athena to block traffic to the external IP address.
D. Create a network AC
E. Add an outbound deny rule for traffic to the external IP address.
F. Create a new security group to block traffic to the external IP addres
G. Assign the new security group to the entire VPC.

Answer: C

Explanation:
https://docs.aws.amazon.com/vpc/latest/userguide/vpc-network-acls.html

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 company updates its security policy to prohibit the public exposure of any data in Amazon S3 buckets in the company's account. What should a SysOps administrator do to meet this requirement?

A. Turn on S3 Block Public Access from the account level.
B. Create an Amazon EventBridge (Amazon CloudWatch Events) rule to enforce that all S3 objects are private.
C. Use Amazon Inspector to search for S3 buckets and to automatically reset S3 ACLs if any public S3 buckets are found.
D. Use S3 Object Lambda to examine S3 ACLs and to change any public S3 ACLs to private.

Answer: A

Explanation:
Using Amazon S3 Block Public Access
as a centralized way to limit public access. Block Public Access
settings override bucket policies and object permissions. Be sure to enable Block Public Access for all accounts and buckets that you don't want publicly accessible.
https://aws.amazon.com/premiumsupport/knowledge-center/secure-s3-resources/#:~:text=Using%20Amazon%2

NEW QUESTION 5
- (Exam Topic 1)
A SysOps administrator is provisioning an Amazon Elastic File System (Amazon EFS) file system to provide shared storage across multiple Amazon EC2 instances The instances all exist in the same VPC across multiple Availability Zones. There are two instances In each Availability Zone. The SysOps administrator must make the file system accessible to each instance with the lowest possible latency.
Which solution will meet these requirements?

A. Create a mount target for the EFS file system in the VP

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

Answer: D

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

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

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

Answer: AE

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

NEW QUESTION 7
- (Exam Topic 1)
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 8
- (Exam Topic 1)
A database is running on an Amazon RDS Mufti-AZ DB instance. A recent security audit found the database to be out of compliance because it was not encrypted.
Which approach will resolve the encryption requirement?

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

Answer: D

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

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

I. Verify each developer mobile phone in Amazon Simple Email Service {Amazon SES). Create an Amazon EventBridge (Amazon CloudWatch Events) rule by using Errors as the event pattern and the Lambda function name as a resourc
J. Configure the rule to send a push notification through Amazon SES when the rule state reaches ALARM.

Answer: A

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

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

Answer: C

NEW QUESTION 10
- (Exam Topic 1)
A SysOps administrator recently configured Amazon S3 Cross-Region Replication on an S3 bucket Which of the following does this feature replicate to the destination S3 bucket by default?

A. Objects in the source S3 bucket for which the bucket owner does not have permissions
B. Objects that are stored in S3 Glacier
C. Objects that existed before replication was configured
D. Object metadata

Answer: B

NEW QUESTION 11
- (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 13
- (Exam Topic 1)
A global gaming company is preparing to launch a new game on AWS. The game runs in multiple AWS Regions on a fleet of Amazon EC2 instances. The instances are in an Auto Scaling group behind an
Application Load Balancer (ALB) in each Region. The company plans to use Amazon Route 53 tor DNS services. The DNS configuration must direct users to the Region that is closest to mem and must provide automated failover.
Which combination of steps should a SysOps administrator take to configure Route 53 to meet these requirements9 {Select TWO.)

A. Create Amazon CloudWatch alarms that monitor the health of the ALB m each Region Configure Route 53 DNS failover by using a health check that monitors the alarms.
B. Create Amazon CloudWatch alarms that monitor the hearth of the EC2 instances in each Region.Configure Route 53 DNS failover by using a health check that monitors the alarms.
C. Configure Route 53 DNS failover by using a health check that monitors the private address of an EC2 instance in each Region.
D. Configure Route 53 geoproximity routing Specify the Regions that are used for the infrastructure
E. Configure Route 53 simple routing Specify the continent, country, and state or province that are used for the infrastructure.

Answer: A

NEW QUESTION 14
- (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 18
- (Exam Topic 1)
A company recently its server infrastructure to Amazon EC2 instances. The company wants to use Amazon CloudWatch metrics to track instance memory utilization and available disk space.
What should a SysOps administrator do to meet these requirements?

A. Configure CloudWatch from the AWS Management Console tor all the instances that require monitoring by CloudWatc
B. AWS automatically installs and configures the agents far the specified instances.
C. Install and configure the CloudWatch agent on all the instance
D. Attach an IAM role to allow theinstances to write logs to CloudWatch.
E. Install and configure the CloudWatch agent on all the instance
F. Attach an IAM user to allow the instances to write logs to CloudWatch.
G. Install and configure the CloudWatch agent on all the instance
H. Attach the necessary security groups to allow the instances to write logs to CloudWatch

Answer: C

NEW QUESTION 19
- (Exam Topic 1)
A company wants to build a solution for its business-critical Amazon RDS for MySQL database. The database requires high availability across different geographic locations. A SysOps administrator must build a solution to handle a disaster recovery (DR) scenario with the lowest recovery time objective (RTO) and recovery point objective (RPO).
Which solution meets these requirements?

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

Answer: B

NEW QUESTION 24
- (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 29
- (Exam Topic 1)
A company wants to create an automated solution for all accounts managed by AWS Organizations to detect any worry groups that urn 0.0.0.0/0 as the source address for inbound traffic. The company also wants to automatically remediate any noncompliant security groups by restricting access to a specific CIDR block corresponds with the company's intranet.

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

Answer: A

NEW QUESTION 30
- (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 RI discount sharing in the management account.
C. Purchase RIs in individual member account
D. Disable RI discount sharing in the member accounts.
E. Purchase RIs in the management accoun
F. Disable RI discount sharing in the management account.
G. Purchase RIs in the management accoun
H. Disable RI 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 35
- (Exam Topic 1)
A gaming application is deployed on four Amazon EC2 instances in a default VPC. The SysOps administrator has noticed consistently high latency in responses as data is transferred among the four instances. There is no way for the administrator to alter the application code.
The MOST effective way to reduce latency is to relaunch the EC2 instances in:

A. a dedicated VPC.
B. a single subnet inside the VPC.
C. a placement group.
D. a single Availability Zone.

Answer: C

NEW QUESTION 39
- (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 41
- (Exam Topic 1)
A company's financial department needs to view the cost details of each project in an AWS account A SysOps administrator must perform the initial configuration that is required to view cost for each project in Cost Explorer
Which solution will meet this requirement?

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

Answer: A

NEW QUESTION 44
- (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 46
- (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 49
- (Exam Topic 1)
A company is attempting to manage its costs in the AWS Cloud. A SysOps administrator needs specific company-defined tags that are assigned to resources to appear on the billing report.
What should the SysOps administrator do to meet this requirement?

A. Activate the tags as AWS generated cost allocation tags.
B. Activate the tags as user-defined cost allocation tags.
C. Create a new cost categor
D. Select the account billing dimension.
E. Create a new AWS Cost and Usage Repor
F. Include the resource IDs.

Answer: B

Explanation:
https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/custom-tags.html "User-defined tags are tags that you define, create, and apply to resources. After you have created and applied the user-defined tags, you can activate by using the Billing and Cost Management console for cost allocation tracking. "
To meet this requirement, the SysOps administrator should activate the company-defined tags as user-defined cost allocation tags. This will ensure that the tags appear on the billing report and that the resources can be tracked with the specific tags. The other options (activating the tags as AWS generated cost allocation tags, creating a new cost category and selecting the account billing dimension, and creating a new AWS Cost and Usage Report and including the resource IDs) will not meet the requirements and are not the correct solutions for this issue.

NEW QUESTION 51
- (Exam Topic 1)
A SysOps administrator notices a scale-up event for an Amazon EC2 Auto Scaling group Amazon CloudWatch shows a spike in the RequestCount metric for the associated Application Load Balancer The administrator would like to know the IP addresses for the source of the requests
Where can the administrator find this information?

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

Answer: D

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

NEW QUESTION 56
- (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 57
- (Exam Topic 1)
While setting up an AWS managed VPN connection, a SysOps administrator creates a customer gateway resource in AWS. The customer gateway device resides in a data center with a NAT gateway in front of it.
What address should be used to create the customer gateway resource?

A. The private IP address of the customer gateway device

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

Answer: D

NEW QUESTION 58
- (Exam Topic 1)
A company uses an AWS CloudFormation template to provision an Amazon EC2 instance and an Amazon RDS DB instance A SysOps administrator must update the template to ensure that the DB instance is created before the EC2 instance is launched
What should the SysOps administrator do to meet this requirement?

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

Answer: B

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

NEW QUESTION 63
- (Exam Topic 1)
A SysOos administrator s tasked with analyzing database performance. The database runs on a single Amazon RDS D6 instance. The SysOps administrator finds that, during times of peak traffic, resources on the database are over utilized due to the amount of read traffic.
Which actions should the SysOps administrator take to improve RDS performance? (Select TWO.)

A. Add a read replica.
B. Modify the application to use Amazon ElastiCache for Memcached.
C. Migrate the database from RDS to Amazon DynamoDB.
D. Migrate the database to Amazon EC2 with enhanced networking enabled
E. Upgrade the database to a Multi-AZ deployment.

Answer: AB

NEW QUESTION 67
- (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 69
- (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 73
- (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 74
- (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 75
- (Exam Topic 1)
A company has an Amazon RDS DB instance. The company wants to implement a caching service while maintaining high availability.
Which combination of actions will meet these requirements? (Choose two.)

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

Answer: CD

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

NEW QUESTION 76
- (Exam Topic 1)
A company asks a SysOps administrator to ensure that AWS CloudTrail files are not tampered with after they are created. Currently, the company uses AWS Identity and Access Management (IAM) to restrict access to specific trails. The company's security team needs the ability to trace the integrity of each file.
What is the MOST operationally efficient solution that meets these requirements?

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

Answer: D

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

NEW QUESTION 79
- (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 84
- (Exam Topic 1)
A company uses AWS Organizations to manage multiple AWS accounts. The company's SysOps team has been using a manual process to create and manage 1AM roles. The team requires an automated solution to create and manage the necessary 1AM roles for multiple AWS accounts.
What is the MOST operationally efficient solution that meets these requirements?

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

Answer: D

NEW QUESTION 86
- (Exam Topic 1)
A company has deployed a web application in a VPC that has subnets in three Availability Zones. The company launches three Amazon EC2 instances from an EC2 Auto Scaling group behind an Application Load Balancer (ALB).
A SysOps administrator notices that two of the EC2 instances are in the same Availability Zone, rather than being distributed evenly across all three Availability Zones. There are no errors in the Auto Scaling group's activity history.
What is the MOST likely reason for the unexpected placement of EC2 instances?

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

Answer: C

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

NEW QUESTION 87
- (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 92
- (Exam Topic 1)
A company hosts a web application on an Amazon EC2 instance. The web server logs are published to Amazon CloudWatch Logs. The log events have the same structure and include the HTTP response codes that are associated with the user requests. The company needs to monitor the number of times that the web server returns an HTTP 404 response.
What is the MOST operationally efficient solution that meets these requirements?

A. Create a CloudWatch Logs metric filter that counts the number of times that the web server returns an HTTP 404 response.
B. Create a CloudWatch Logs subscription filter that counts the number of times that the web server returns an HTTP 404 response.
C. Create an AWS Lambda function that runs a CloudWatch Logs Insights query that counts the number of 404 codes in the log events during the past hour.
D. Create a script that runs a CloudWatch Logs Insights query that counts the number of 404 codes in the log events during the past hour.

Answer: A

Explanation:
This is the most operationally efficient solution that meets the requirements, as it will allow the company to monitor the number of times that the web server returns an HTTP 404 response in real-time. The other solutions (creating a CloudWatch Logs subscription filter, an AWS Lambda function, or a script) will require additional steps and resources to monitor the number of times that the web server returns an HTTP 404 response.
A metric filter allows you to search for specific terms, phrases, or values in your log events, and then to create a metric based on the number of occurrences of those search terms. This allows you to create a CloudWatch Metric that can be used to create alarms and dashboards, which can be used to monitor the number of HTTP 404 responses returned by the web server.

NEW QUESTION 93
- (Exam Topic 1)
A company stores files on 50 Amazon S3 buckets in the same AWS Region The company wants to connect to the S3 buckets securely over a private connection

from its Amazon EC2 instances The company needs a solution that produces no additional cost
Which solution will meet these requirements?

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

Answer: C

NEW QUESTION 97
- (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

NEW QUESTION 98
- (Exam Topic 1)
A company wants to use only IPv6 for all its Amazon EC2 instances. The EC2 instances must not be accessible from the internet, but the EC2 instances must be able to access the internet. The company creates a dual-stack VPC and IPv6-only subnets.
How should a SysOps administrator configure the VPC to meet these requirements?

A. Create and attach a NAT gatewa
B. Create a custom route table that includes an entry to point all IPv6 traffic to the NAT gatewa
C. Attach the custom route table to the IPv6-only subnets.
D. Create and attach an internet gatewa
E. Create a custom route table that includes an entry to point all IPv6 traffic to the internet gatewa
F. Attach the custom route table to the IPv6-only subnets.
G. Create and attach an egress-only internet gatewa
H. Create a custom route table that includes an entry to point all IPv6 traffic to the egress-only internet gatewa
I. Attach the custom route table to the IPv6-only subnets.
J. Create and attach an internet gateway and a NAT gatewa
K. Create a custom route table that includes an entry to point all IPv6 traffic to the internet gateway and all IPv4 traffic to the NAT gatewa
L. Attach thecustom route table to the IPv6-only subnets.

Answer: C

NEW QUESTION 103
- (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 107
- (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 108

- (Exam Topic 1)
A company's IT department noticed an increase in the spend of their developer AWS account. There are over 50 developers using the account, and the finance team wants to determine the service costs incurred by each developer.
What should a SysOps administrator do to collect this information? (Select TWO.)

A. Activate the createdBy tag in the account.
B. Analyze the usage with Amazon CloudWatch dashboards.
C. Analyze the usage with Cost Explorer.
D. Configure AWS Trusted Advisor to track resource usage.
E. Create a billing alarm in AWS Budgets.

Answer: AC

NEW QUESTION 110
- (Exam Topic 1)
A SysOps administrator is building a process for sharing Amazon RDS database snapshots between different accounts associated with different business units within the same company. All data must be encrypted at rest.
How should the administrator implement this process?

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

Answer: B

NEW QUESTION 112
- (Exam Topic 1)
A company uses Amazon S3 to aggregate raw video footage from various media teams across the US. The company recently expanded into new geographies in Europe and Australia. The technical teams located in Europe and Australia reported delays when uploading large video tiles into the destination S3 bucket m toe United States.
What are the MOST cost-effective ways to increase upload speeds into the S3 bucket? (Select TWO.)

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

Answer: CE

NEW QUESTION 117
- (Exam Topic 1)
A company's SysOps administrator has created an Amazon EC2 instance with custom software that will be used as a template for all new EC2 instances across multiple AWS accounts. The Amazon Elastic Block Store (Amazon EBS) volumes that are attached to the EC2 instance are encrypted with AWS managed keys. The SysOps administrator creates an Amazon Machine Image (AMI) of the custom EC2 instance and plans to share the AMI with the company's other AWS accounts. The company requires that all AMIs are encrypted with AWS Key Management Service (AWS KMS) keys and that only authorized AWS accounts can access the shared AMIs.
Which solution will securely share the AMI with the other AWS accounts?

A. In the account where the AMI was created, create a customer master key (CMK). Modify the key policyto provide kms:DescribeKey, kms ReEncrypf, kms:CreateGrant, and kms:Decrypt permissions to the AWS accounts that the AMI will be shared wit
B. Modify the AMI permissions to specify the AWS account numbers that the AMI will be shared with.
C. In the account where the AMI was created, create a customer master key (CMK). Modify the key policy to provide kms:DescribeKey, kms:ReEncrypt*. kms:CreateGrant, and kms;Decrypt permissions to the AWS accounts that the AMI will be shared wit
D. Create a copy of the AM
E. and specify the CM
F. Modify the permissions on the copied AMI to specify the AWS account numbers that the AMI will be shared with.
G. In the account where the AMI was created, create a customer master key (CMK). Modify the key policy to provide kms:DescrlbeKey, kms:ReEncrypt\ kms:CreateGrant, and kms:Decrypt permissions to the AWS accounts that the AMI will be shared wit
H. Create a copy of the AM
I. and specify the CM
J. Modify the permissions on the copied AMI to make it public.
K. In the account where the AMI was created, modify the key policy of the AWS managed key to provide kms:DescnbeKe
L. kms:ReEncrypt\ kms:CreateGrant, and kms:Decrypt permissions to the AWS accounts that the AMI will be shared wit
M. Modify the AMI permissions to specify the AWS account numbers that the AMI will be shared with.

Answer: B

Explanation:
https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/sharingamis-explicit.html

NEW QUESTION 119
- (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 124
- (Exam Topic 1)
A company's public website is hosted in an Amazon S3 bucket in the us-east-1 Region behind an Amazon CloudFront distribution. The company wants to ensure that the website is protected from DDoS attacks. A SysOps administrator needs to deploy a solution that gives the company the ability to maintain control over the rate limit at which DDoS protections are applied.
Which solution will meet these requirements?

A. Deploy a global-scoped AWS WAF web ACL with an allow default actio
B. Configure an AWS WAF rate-based rule to block matching traffi
C. Associate the web ACL with the CloudFront distribution.
D. Deploy an AWS WAF web ACL with an allow default action in us-east-1. Configure an AWS WAF rate-based rule to block matching traffi
E. Associate the web ACL with the S3 bucket.
F. Deploy a global-scoped AWS WAF web ACL with a block default actio
G. Configure an AWS WAF rate-based rule to allow matching traffi
H. Associate the web ACL with the CloudFront distribution.
I. Deploy an AWS WAF web ACL with a block default action in us-east-1. Configure an AWS WAF rate-based rule to allow matching traffi
J. Associate the web ACL with the S3 bucket.

Answer: B

NEW QUESTION 125
- (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 130
- (Exam Topic 1)
A company is storing media content in an Amazon S3 bucket and uses Amazon CloudFront to distribute the content to its users. Due to licensing terms, the company is not authorized to distribute the content in some countries. A SysOps administrator must restrict access to certain countries.
What is the MOST operationally efficient solution that meets these requirements?

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

Answer: C

NEW QUESTION 135
- (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 137
- (Exam Topic 1)
A SysOps administrator is reviewing AWS Trusted Advisor warnings and encounters a warning for an S3 bucket policy that has open access permissions. While discussing the issue with the bucket owner, the administrator realizes the S3 bucket is an origin for an Amazon CloudFront web distribution.
Which action should the administrator take to ensure that users access objects in Amazon S3 by using only CloudFront URLs?

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

Answer: B

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

NEW QUESTION 140
- (Exam Topic 1)
A company's backend infrastructure contains an Amazon EC2 instance in a private subnet. The private subnet has a route to the internet through a NAT gateway in a public subnet. The instance must allow connectivity to a secure web server on the internet to retrieve data at regular intervals.
The client software times out with an error message that indicates that the client software could not establish the TCP connection.
What should a SysOps administrator do to resolve this error?

A. Add an inbound rule to the security group for the EC2 instance with the following parameters: Type - HTTP, Source - 0.0.0.0/0.
B. Add an inbound rule to the security group for the EC2 instance with the following parameters: Type - HTTPS, Source - 0.0.0.0/0.
C. Add an outbound rule to the security group for the EC2 instance with the following parameters: Type - HTTP, Destination - 0.0.0.0/0.
D. Add an outbound rule to the security group for the EC2 instance with the following parameters: Type - HTTP
E. Destination - 0.0.0.0/0.

Answer: D

NEW QUESTION 145
- (Exam Topic 1)
A SysOps Administrator runs a web application that is using a microservices approach whereby different responsibilities of the application have been divided in a separate microservice running on a different Amazon EC2 instance. The administrator has been tasked with reconfiguring the infrastructure to support this approach.
How can the administrator accomplish this with the LEAST administrative overhead?

A. Use Amazon CloudFront to log the URL and forward the request.
B. Use Amazon CloudFront to rewrite the header based on the microservice and forward the request.
C. Use an Application Load Balancer (ALB) and do path-based routing.
D. Use a Network Load Balancer (NLB) and do path-based routing.

Answer: C

Explanation:
https://aws.amazon.com/premiumsupport/knowledge-center/elb-achieve-path-based-routing-alb/

NEW QUESTION 150
- (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 151
- (Exam Topic 1)
A large multinational company has a core application that runs 24 hours a day, 7 days a week on Amazon EC2 and AWS Lambda. The company uses a combination of operating systems across different AWS Regions. The company wants to achieve cost savings and wants to use a pricing model that provides the most flexibility.
What should the company do to MAXIMIZE cost savings while meeting these requirements?

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

Answer: D

NEW QUESTION 153
- (Exam Topic 1)
A company has a critical serverless application that uses multiple AWS Lambda functions. Each Lambda function generates 1 GB of log data daily in tts own Amazon CloudWatch Logs log group. The company's security team asks for a count of application errors, grouped by type, across all of the log groups.
What should a SysOps administrator do to meet this requirement?

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

Answer: A

NEW QUESTION 157
- (Exam Topic 1)
A SysOps administrator is helping a development team deploy an application to AWS Trie AWS CloudFormat on temp ate includes an Amazon Linux EC2 Instance an Amazon Aurora DB cluster and a hard coded database password that must be rotated every 90 days
What is the MOST secure way to manage the database password?

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

Answer: A

NEW QUESTION 158
- (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 160
- (Exam Topic 1)
A SysOps administrator noticed that a large number of Elastic IP addresses are being created on the company's AWS account, but they are not being associated with Amazon EC2 instances, and are incurring Elastic IP address charges in the monthly bill.
How can the administrator identify who is creating the Elastic IP addresses?

A. Attach a cost-allocation tag to each requested Elastic IP address with the IAM user name of the developer who creates it.
B. Query AWS CloudTrail logs by using Amazon Athena to search for Elastic IP address events.
C. Create a CloudWatch alarm on the ElPCreated metric and send an Amazon SNS notification when the alarm triggers.
D. Use Amazon Inspector to get a report of all Elastic IP addresses created in the last 30 days.

Answer: B

NEW QUESTION 162

- (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 165
- (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 170
- (Exam Topic 1)
A company has a simple web application that runs on a set of Amazon EC2 instances behind an Elastic Load Balancer in the eu-west-2 Region. Amazon Route 53 holds a DNS record for the application with a simple touting policy. Users from all over the world access the application through their web browsers.
The company needs to create additional copies of the application in the us-east-1 Region and in the ap-south-1 Region. The company must direct users to the Region that provides the fastest response times when the users load the application.
What should a SysOps administrator do to meet these requirements?

A. In each new Region, create a new Elastic Load Balancer and a new set of EC2 Instances to run a copy of the applicatio
B. Transition to a geolocation routing policy.
C. In each new Region, create a copy of the application on new EC2 instance
D. Add these new EC2 instances to the Elastic Load Balancer in eu-west-2. Transition to a latency routing policy.
E. In each new Region, create a copy of the application on new EC2 instance
F. Add these new EC2 instances to the Elastic Load Balancer in eu-west-2. Transition to a multivalue routing policy.
G. In each new Region, create a new Elastic Load Balancer and a new set of EC2 instances to run a copy of the applicatio
H. Transition to a latency routing policy.

Answer: B

NEW QUESTION 173
- (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 174
- (Exam Topic 1)
A global company handles a large amount of personally identifiable information (Pll) through an internal web portal. The company's application runs in a corporate

data center that is connected to AWS through an AWS Direct Connect connection. The application stores the Pll in Amazon S3. According to a compliance requirement, traffic from the web portal to Amazon S3 must not travel across the internet.
What should a SysOps administrator do to meet the compliance requirement?

A. Provision an interface VPC endpoint for Amazon S3. Modify the application to use the interface endpoint.
B. Configure AWS Network Firewall to redirect traffic to the internal S3 address.
C. Modify the application to use the S3 path-style endpoint.
D. Set up a range of VPC network ACLs to redirect traffic to the Internal S3 address.

Answer: B

NEW QUESTION 177
- (Exam Topic 1)
A company requires that all IAM user accounts that have not been used for 90 days or more must have their access keys and passwords immediately disabled A SysOps administrator must automate the process of disabling unused keys using the MOST operationally efficient method.
How should the SysOps administrator implement this solution?

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

Answer: D

NEW QUESTION 180
- (Exam Topic 1)
A company is storing backups in an Amazon S3 bucket. The backups must not be deleted for at least 3 months after the backups are created.
What should a SysOps administrator do to meet this requirement?

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

Answer: D

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

NEW QUESTION 184
- (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 185
- (Exam Topic 1)
A large company is using AWS Organizations to manage hundreds of AWS accounts across multiple AWS Regions. The company has turned on AWS Config throughout the organization.
The company requires all Amazon S3 buckets to block public read access. A SysOps administrator must generate a monthly report that shows all the S3 buckets and whether they comply with this requirement.
Which combination of steps should the SysOps administrator take to collect this data? {Select TWO).

A. Create an AWS Config aggregator in an aggregator accoun
B. Use the organization as the source.Retrieve the compliance data from the aggregator.
C. Create an AWS Config aggregator in each accoun
D. Use an S3 bucket in an aggregator account as the destinatio

E. Retrieve the compliance data from the S3 bucket
F. Edit the AWS Config policy in AWS Organization
G. Use the organization's management account to turn on the s3-bucket-public-read-prohibited rule for the entire organization.
H. Use the AWS Config compliance report from the organization's management accoun
I. Filter the results by resource, and select Amazon S3.
J. Use the AWS Config API to apply the s3-bucket-public-read-prohibited rule in all accounts for all available Regions.

Answer: CD

NEW QUESTION 186
- (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: A

NEW QUESTION 187
- (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 189
- (Exam Topic 1)
A company recently purchased Savings Plans. The company wants to receive email notification when the company’s utilization drops below 90% for a given day.
Which solution will meet this requirement?

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

Answer: D

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

NEW QUESTION 193
- (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 197
- (Exam Topic 1)
A SysOps administrator trust manage the security of An AWS account Recently an IAM users access key was mistakenly uploaded to a public code repository.
The SysOps administrator must identity anything that was changed by using this access key.

A. Create an Amazon EventBridge (Amazon CloudWatch Events) rule to send all IAM events lo an AWS Lambda function for analysis
B. Query Amazon EC2 togs by using Amazon CloudWatch Logs Insights for all events Heated with the compromised access key within the suspected timeframe

C. Search AWS CloudTrail event history tor all events initiated with the compromised access key within the suspected timeframe
D. Search VPC Flow Logs foe all events initiated with the compromised access key within the suspected Timeframe.

Answer: C

NEW QUESTION 199
- (Exam Topic 1)
A SysOps administrator is configuring an application on Amazon EC2 instances for a company Teams in other countries will use the application over the internet. The company requires the application endpoint to have a static pubic IP address.
How should the SysOps administrator deploy the application to meet this requirement?

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

Answer: C

NEW QUESTION 204
- (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 207
- (Exam Topic 1)
A SysOps administrator has Nocked public access to all company Amazon S3 buckets. The SysOps administrator wants to be notified when an S3 bucket becomes publicly readable in the future.
What is the MOST operationally efficient way to meet this requirement?

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

Answer: D

NEW QUESTION 210
- (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 213
- (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 215
- (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 216
- (Exam Topic 1)
A company has a high-performance Windows workload. The workload requires a storage volume mat provides consistent performance of 10.000 KDPS. The company does not want to pay for additional unneeded capacity to achieve this performance.
Which solution will meet these requirements with the LEAST cost?

A. Use a Provisioned IOPS SSD (lol) Amazon Elastic Block Store (Amazon EBS) volume that is configured with 10.000 provisioned IOPS
B. Use a General Purpose SSD (gp3) Amazon Elastic Block Store (Amazon EBS) volume that is configured with 10.000 provisioned IOPS.
C. Use an Amazon Elastic File System (Amazon EFS) file system w\ Max I/O mode.
D. Use an Amazon FSx for Windows Fife Server foe system that is configured with 10.000 IOPS

Answer: A

NEW QUESTION 219
- (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 223
- (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 228
- (Exam Topic 1)
A SysOps administrator must ensure that a company's Amazon EC2 instances auto scale as expected The SysOps administrator configures an Amazon EC2 Auto Scaling Lifecycle hook to send an event to Amazon EventBridge (Amazon CloudWatch Events), which then invokes an AWS Lambda function to configure the EC2 distances When the configuration is complete, the Lambda function calls the complete Lifecycle-action event to put the EC2 instances into service. In testing, the SysOps administrator discovers that the Lambda function is not invoked when the EC2 instances auto scale.
What should the SysOps administrator do to reserve this issue?

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

Answer: D

NEW QUESTION 230
- (Exam Topic 1)
A company is planning to host its stateful web-based applications on AWS A SysOps administrator is using an Auto Scaling group of Amazon EC2 instances The web applications will run 24 hours a day 7 days a week throughout the year The company must be able to change the instance type within the same instance family later in the year based on the traffic and usage patterns
Which EC2 instance purchasing option will meet these requirements MOST cost-effectively?

A. Convertible Reserved Instances
B. On-Demand instances
C. Spot instances
D. Standard Reserved instances

Answer: A

Explanation:
https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ri-convertible-exchange.html

NEW QUESTION 231
- (Exam Topic 1)
An existing, deployed solution uses Amazon EC2 instances with Amazon EBS General Purpose SSD volumes, an Amazon RDS PostgreSQL database, an Amazon EFS file system, and static objects stored in an Amazon S3 bucket. The Security team now mandates that at-rest encryption be turned on immediately for all aspects of the application, without creating new resources and without any downtime.
To satisfy the requirements, which one of these services can the SysOps administrator enable at-rest encryption on?

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

Answer: D

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

NEW QUESTION 234
- (Exam Topic 1)
A company is expanding its use of AWS services across its portfolios The company wants to provision AWS accounts for each team to ensure a separation of business processes for security compliance and billing Account creation and bootstrapping should be completed m a scalable and efficient way so new accounts are created with a defined baseline and governance guardrails in place A SysOps administrator needs to design a provisioning process that saves time and resources
Which action should be taken to meet these requirements?

A. Automate using AWS Elastic Beanstalk to provision the AWS accounts set up infrastructure and integrate with AWS Organizations
B. Create bootstrapping scripts in AWS OpsWorks and combine them with AWS CloudFormation templates to provision accounts and infrastructure
C. Use AWS Config to provision accounts and deploy instances using AWS Service Catalog
D. Use AWS Control Tower to create a template in Account Factory and use the template to provision new accounts

Answer: D

NEW QUESTION 237
- (Exam Topic 1)
A company wants to collect data from an application to use for analytics. For the first 90 days, the data will be infrequently accessed but must remain highly available. During this time, the company's analytics team requires access to the data in milliseconds. However, after 90 days, the company must retain the data for the long term at a lower cost. The retrieval time after 90 days must be less than 5 hours.
Which solution will meet these requirements MOST cost-effectively?

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

Answer: A

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

NEW QUESTION 241
- (Exam Topic 1)
A company has attached the following policy to an IAM user:

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

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

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

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

Answer: C

NEW QUESTION 244
- (Exam Topic 1)
A company plans to migrate several of its high performance computing (MPC) virtual machines (VMs) to Amazon EC2 instances on AWS. A SysOps administrator must identify a placement group for this deployment. The strategy must minimize network latency and must maximize network throughput between the HPC VMs. Which strategy should the SysOps administrator choose to meet these requirements?

A. Deploy the instances in a cluster placement group in one Availability Zone.
B. Deploy the instances in a partition placement group in two Availability Zones
C. Deploy the instances in a partition placement group in one Availability Zone
D. Deploy the instances in a spread placement group in two Availably Zones

Answer: A

NEW QUESTION 249
- (Exam Topic 1)
A SysOps administrator is required to monitor free space on Amazon EBS volumes attached to Microsoft Windows-based Amazon EC2 instances within a company's account. The administrator must be alerted to potential issues.
What should the administrator do to receive email alerts before low storage space affects EC2 instance performance?

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

Answer: C

NEW QUESTION 253
- (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 254
- (Exam Topic 1)
A recent organizational audit uncovered an existing Amazon RDS database that is not currently configured for high availability. Given the critical nature of this database, it must be configured for high availability as soon as possible.
How can this requirement be met?

A. Switch to an active/passive database pair using the create-db-instance-read-replica with the--availability-zone flag.
B. Specify high availability when creating a new RDS instance, and live-migrate the data.
C. Modify the RDS instance using the console to include the Multi-AZ option.
D. Use the modify-db-instance command with the --na flag.

Answer: C

NEW QUESTION 257
- (Exam Topic 1)
A company maintains a large set of sensitive data in an Amazon S3 bucket. The company's security team asks a SyeOps administrator to help verify that all current objects in the S3 bucket are encrypted.
What is the MOST operationally efficient solution that meets these requirements?

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

Answer: D

NEW QUESTION 260
- (Exam Topic 1)
With the threat of ransomware viruses encrypting and holding company data hostage, which action should be taken to protect an Amazon S3 bucket?

A. Deny Pos
B. Pu
C. and Delete on the bucket.
D. Enable server-side encryption on the bucket.
E. Enable Amazon S3 versioning on the bucket.
F. Enable snapshots on the bucket.

Answer: B

NEW QUESTION 263
- (Exam Topic 1)
A company is managing multiple AWS accounts in AWS Organizations The company is reviewing internal security of Its AWS environment The company's security administrator has their own AWS account and wants to review the VPC configuration of developer AWS accounts
Which solution will meet these requirements in the MOST secure manner?

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

Answer: D

NEW QUESTION 268
- (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 272
- (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 273
- (Exam Topic 1)
A SysOps administrator is using AWS Systems Manager Patch Manager to patch a fleet of Amazon EC2 instances. The SysOps administrator has configured a patch baseline and a maintenance window. The SysOps administrator also has used an instance tag to identify which instances to patch.
The SysOps administrator must give Systems Manager the ability to access the EC2 instances. Which additional action must the SysOps administrator perform to meet this requirement?

A. Add an inbound rule to the instances' security group.
B. Attach an 1AM instance profile with access to Systems Manager to the instances.
C. Create a Systems Manager activation Then activate the fleet of instances.
D. Manually specify the instances to patch Instead of using tag-based selection.

Answer: A

NEW QUESTION 278
- (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 279
- (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 283
- (Exam Topic 1)
A company hosts a web portal on Amazon EC2 instances. The web portal uses an Elastic Load Balancer (ELB) and Amazon Route 53 for its public DNS service. The ELB and the EC2 instances are deployed by way of a single AWS CloudFormation stack in the us-east-1 Region. The web portal must be highly available across multiple Regions.
Which configuration will meet these requirements?

A. Deploy a copy of the stack in the us-west-2 Regio
B. Create a single start of authority (SOA) record in Route 53 that includes the IP address from each EL
C. Configure the SOA record with health check
D. Use the ELB in us-east-1 as the primary record and the ELB in us-west-2 as the secondary record.
E. Deploy a copy of the stack in the us-west-2 Regio
F. Create an additional A record in Route 53 that includes the ELB in us-west-2 as an alias targe
G. Configure the A records with a failover routing policy and health check
H. Use the ELB in us-east-1 as the primary record and the ELB in us-west-2 as the secondary record.
I. Deploy a new group of EC2 instances in the us-west-2 Regio
J. Associate the new EC2 instances with the existing ELB, and configure load balancer health checks on all EC2 instance
K. Configure the ELB to update Route 53 when EC2 instances in us-west-2 fail health checks.
L. Deploy a new group of EC2 instances in the us-west-2 Regio
M. Configure EC2 health checks on all EC2 instances in each Regio
N. Configure a peering connection between the VPC
O. Use the VPC in us-east-1 as the primary record and the VPC in us-west-2 as the secondary record.

Answer: B

Explanation:
When you create a hosted zone, Route 53 automatically creates a name server (NS) record and a start of authority (SOA) record for the zone.
https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/migrate-dns-domain-in-use.html#migrate-dns-crea
https://en.wikipedia.org/wiki/SOA_record

NEW QUESTION 285
- (Exam Topic 1)
A company recently migrated its application to a VPC on AWS. An AWS Site-to-Site VPN connection connects the company's on-premises network to the VPC. The application retrieves customer data from another system that resides on premises. The application uses an on-premises DNS server to resolve domain records. After the migration, the application is not able to connect to the customer data because of name resolution errors.
Which solution will give the application the ability to resolve the internal domain names?

A. Launch EC2 instances in the VP
B. On the EC2 instances, deploy a custom DNS forwarder that forwards all DNS requests to the on-premises DNS serve
C. Create an Amazon Route 53 private hosted zone that uses the EC2 instances for name servers.
D. Create an Amazon Route 53 Resolver outbound endpoin
E. Configure the outbound endpoint to forward DNS queries against the on-premises domain to the on-premises DNS server.
F. Set up two AWS Direct Connect connections between the AWS environment and the on-premises networ
G. Set up a link aggregation group (LAG) that includes the two connection
H. Change the VPC resolver address to point to the on-premises DNS server.
I. Create an Amazon Route 53 public hosted zone for the on-premises domai
J. Configure the network ACLs to forward DNS requests against the on-premises domain to the Route 53 public hosted zone.

Answer: B

Explanation:
https://docs.aws.amazon.com/zh_tw/Route53/latest/DeveloperGuide/resolver-forwarding-outbound-queries.html

NEW QUESTION 289
- (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 291
- (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 296
- (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 298
- (Exam Topic 1)
A company needs to take an inventory of applications that are running on multiple Amazon EC2 instances. The company has configured users and roles with the appropriate permissions for AWS Systems Manager. An updated version of Systems Manager Agent has been installed and is running on every instance. While configuring an inventory collection, a SysOps administrator discovers that not all the instances in a single subnet are managed by Systems Manager.
What must the SysOps administrator do to fix this issue?

A. Ensure that all the EC2 instances have the correct tags for Systems Manager access.
B. Configure AWS Identity and Access Management Access Analyzer to determine and automatically remediate the issue.
C. Ensure that all the EC2 instances have an instance profile with Systems Manager access.
D. Configure Systems Manager to use an interface VPC endpoint.

Answer: C

Explanation:
Ensuring that all the EC2 instances have an instance profile with Systems Manager access is the most effective way to fix this issue. Having an instance profile with Systems Manager access will allow the SysOps administrator to configure the inventory collection for all the instances in the subnet, regardless of whether or not they are managed by Systems Manager.

NEW QUESTION 303
- (Exam Topic 1)
A company's AWS Lambda function is experiencing performance issues. The Lambda function performs many CPU-intensive operations. The Lambda function is not running fast enough and is creating bottlenecks in the system.
What should a SysOps administrator do to resolve this issue?

A. In the CPU launch options for the Lambda function, activate hyperthreading.
B. Turn off the AWS managed encryption.
C. Increase the amount of memory for the Lambda function.
D. Load the required code into a custom layer.

Answer: C

Explanation:
Increasing the amount of memory for the Lambda function will help to improve the performance of the function. This is because the Lambda function is CPU-intensive and increasing the memory will give it access to more CPU resources and help it run faster. The other options (activating hyperthreading in the CPU launch options for the Lambda function, turning off the AWS managed encryption, and loading the required code into a custom layer) will not help to improve the performance of the Lambda function and are not the correct solutions for this issue.
https://docs.aws.amazon.com/lambda/latest/dg/configuration-function-common.html#configuration-memory-con

NEW QUESTION 307
- (Exam Topic 1)
A SysOps administrator is notified that an Amazon EC2 instance has stopped responding The AWS Management Console indicates that the system status checks are failing What should the administrator do first to resolve this issue?

A. Reboot the EC2 instance so it can be launched on a new host
B. Stop and then start the EC2 instance so that it can be launched on a new host
C. Terminate the EC2 instance and relaunch it
D. View the AWS CloudTrail log to investigate what changed on the EC2 instance

Answer: B

Explanation:
https://aws.amazon.com/premiumsupport/knowledge-center/ec2-windows-system-status-check-fail/

NEW QUESTION 312
- (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 316
- (Exam Topic 1)
A company has an organization in AWS Organizations. The company uses shared VPCs to provide networking resources across accounts A SysOps administrator has been able to successfully launch and manage Amazon EC2 instances in a participant account However the SysOps administrator is now receiving an InstanceLimitExceeded error when the SysOps administrator tries to launch a new EC2 instance
What should the SysOps administrator do to resolve this error')

A. Request an instance quota increase from the account that owns the VPC
B. Launch additional EC2 instances in a different AWS Region
C. Request an instance quota increase from the parte pant account
D. Launch additional EC2 instances by using a different Amazon Machine image (AMI)

Answer: A

NEW QUESTION 317
- (Exam Topic 1)
An errant process is known to use an entire processor and run at 100%. A SysOps administrator wants to automate restarting the instance once the problem occurs for more than 2 minutes.
How can this be accomplished?

A. Create an Amazon CloudWatch alarm for the Amazon EC2 instance with basic monitorin
B. Enable an action to restart the instance.
C. Create a CloudWatch alarm for the EC2 instance with detailed monitorin
D. Enable an action to restart the instance.
E. Create an AWS Lambda function to restart the EC2 instance, triggered on a scheduled basis every 2 minutes.
F. Create a Lambda function to restart the EC2 instance, triggered by EC2 health checks.

Answer: B

NEW QUESTION 321
- (Exam Topic 1)
A SysOps administrator is tasked with deploying a company's infrastructure as code. The SysOps administrator want to write a single template that can be reused for multiple environments.
How should the SysOps administrator use AWS CloudFormation to create a solution?

A. Use Amazon EC2 user data in a CloudFormation template
B. Use nested stacks to provision resources
C. Use parameters in a CloudFormation template

D. Use stack policies to provision resources

Answer: C

Explanation:
Reuse templates to replicate stacks in multiple environments After you have your stacks and resources set up, you can reuse your templates to replicate your infrastructure in multiple environments. For example, you can create environments for development, testing, and production so that you can test changes before implementing them into production. To make templates reusable, use the parameters, mappings, and conditions sections so that you can customize your stacks when you create them. For example, for your development environments, you can specify a lower-cost instance type compared to your production environment, but all other configurations and settings remain the same. https://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/best-practices.html#reuse

NEW QUESTION 323
- (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 GuardDuly 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 327
- (Exam Topic 1)
A company has a memory-intensive application that runs on a fleet of Amazon EC2 instances behind an Elastic Load Balancer (ELB). The instances run in an Auto Scaling group. A Sysops administrator must ensure that the application can scale based on the number of users that connect to the application.
Which solution will meet these requirements?

A. Create a scaling policy that will scale the application based on the ActiveConnectionCount Amazon CloudWatch metric that is generated from the ELB.
B. Create a scaling policy that will scale the application based on the mem used Amazon CloudWatch metric that is generated from the ELB.
C. Create a scheduled scaling policy to increase the number of EC2 instances in the Auto Scaling group to support additional connections.
D. Create and deploy a script on the ELB to expose the number of connected users as a custom Amazon CloudWatch metri
E. Create a scaling policy that uses the metric.

Answer: D

Explanation:
This solution will allow the application to scale based on the number of users that connect to the application. The other solutions (creating a scaling policy that uses the ActiveConnectionCount Amazon CloudWatch metric generated from the ELB, creating a scaling policy that uses the mem used Amazon CloudWatch metric generated from the ELB, or creating a scheduled scaling policy to increase the number of EC2 instances in the Auto Scaling group to support additional connections) will not meet the requirements, as they do not allow the application to scale based on the number of users that connect to the application.

NEW QUESTION 330
- (Exam Topic 1)
A company's SysOps administrator must ensure that all Amazon EC2 Windows instances that are launched in an AWS account have a third-party agent installed. The third-party agent has an msi package. The company uses AWS Systems Manager for patching, and the Windows instances are tagged appropriately. The third-party agent required periodic updates as new versions are released. The SysOps administrator must deploy these updates automatically
Which combination of steps will meet these requirements with the LEAST operational effort? (Seed TWO.) Create a Systems Manager Distributor package for the third-party agent.

A. Make sure that Systems Manager Inventory Is configure
B. If Systems Manager Inventory is not configured, set up a new inventory tor instances that is based on the appropriate tag value for Windows.
C. Create a Systems Manager State Manager association to run the AWS-RunRemoteScript document.Populate the details of the third-party agent packag
D. Specify instance tags based on the appropriate tag value for Windows with a schedule of 1 day
E. Create a Systems Manager State Manager- association to run the AWS-ConfigureAWSPackage documen
F. Populate the details of the third-party agent packag
G. Specify instance tags based on the appropriate tag value for Windows with a schedule of 1 day
H. Create a Systems Manager Opsitem with the tag value for Windows Attach the Systems Manager Distributor package to the Opsite
I. Create a maintenance window that is specific to the package deployment Configure the maintenance window to cover 24 hours a day.

Answer: AD

Explanation:
https://docs.aws.amazon.com/systems-manager/latest/userguide/distributor-working-with-packages-deploy.html

NEW QUESTION 335
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