SOA-C02 Dumps

AWS Certified SysOps Administrator - Associate (SOA-C02)

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

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

Answer: C

NEW QUESTION 2
- (Exam Topic 1)
A SysOps administrator 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 3
- (Exam Topic 1)
A company creates a new member account by using AWS Organizations. A SysOps administrator needs to add AWS Business Support to the new account
Which combination of steps must the SysOps administrator take to meet this requirement? (Select TWO.)

A. Sign in to the new account by using 1AM credential
B. Change the support plan.
C. Sign in to the new account by using root user credential
D. Change the support plan.
E. Use the AWS Support API to change the support plan.
F. Reset the password of the account root user.
G. Create an IAM user that has administrator privileges in the new account.

Answer: BE

Explanation:
The best combination of steps to meet this requirement is to sign in to the new account by using root user credentials and change the support plan, and to create an IAM user that has administrator privileges in the new account.
Signing in to the new account by using root user credentials will allow the SysOps administrator to access the account and change the support plan to AWS Business Support. Additionally, creating an IAM user that has administrator privileges in the new account will ensure that the SysOps administrator has the necessary access to manage the account and make changes to the support plan if necessary.
Reference:
[1] https://docs.aws.amazon.com/organizations/latest/userguide/orgs_manage_accounts_access.html#orgs_ma

NEW QUESTION 4
- (Exam Topic 1)
A company runs a website from Sydney, Australia. Users in the United States (US) and Europe are reporting that images and videos are taking a long time to load. However, local testing in Australia indicates no performance issues. The website has a large amount of static content in the form of images and videos that are stored m Amazon S3.
Which solution will result In the MOST Improvement In the user experience for users In the US and Europe?

A. Configure AWS PrivateLink for Amazon S3.
B. Configure S3 Transfer Acceleration.
C. Create an Amazon CloudFront distributio
D. Distribute the static content to the CloudFront edge locations
E. Create an Amazon API Gateway API in each AWS Regio
F. Cache the content locally.

Answer: D

NEW QUESTION 5
- (Exam Topic 1)
An application team uses an Amazon Aurora MySQL DB cluster with one Aurora Replica. The application team notices that the application read performance degrades when user connections exceed 200. The number of user connections is typically consistent around 180. with occasional sudden increases above 200 connections. The application team wants the application to automatically scale as user demand increases or decreases.

Which solution will meet these requirements?

A. Migrate to a new Aurora multi-master DB cluste
B. Modify the application database connection string.
C. Modify the DB cluster by changing to serverless mode whenever user connections exceed 200.
D. Create an auto scaling policy with a target metric of 195 DatabaseConnections
E. Modify the DB cluster by increasing the Aurora Replica instance size.

Answer: C

NEW QUESTION 6
- (Exam Topic 1)
A company is running a website on Amazon EC2 instances behind an Application Load Balancer (ALB). The company configured an Amazon CloudFront distribution and set the ALB as the origin. The company created an Amazon Route 53 CNAME record to send all traffic through the CloudFront distribution. As an unintended side effect, mobile users are now being served the desktop version of the website.
Which action should a SysOps administrator take to resolve this issue?

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

Answer: A

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

NEW QUESTION 7
- (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 8
- (Exam Topic 1)
A company has deployed AWS Security Hub and AWS Config in a newly implemented organization in AWS Organizations. A SysOps administrator must implement a solution to restrict all member accounts in the organization from deploying Amazon EC2 resources in the ap-southeast-2 Region. The solution must be implemented from a single point and must govern an current and future accounts. The use of root credentials also must be restricted in member accounts.
Which AWS feature should the SysOps administrator use to meet these requirements?

A. AWS Config aggregator
B. IAM user permissions boundaries
C. AWS Organizations service control policies (SCPs)
D. AWS Security Hub conformance packs

Answer: C

NEW QUESTION 9
- (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 10
- (Exam Topic 1)
A SysOps administrator must create an IAM policy for a developer who needs access to specific AWS services. Based on the requirements, the SysOps administrator creates the following policy:

```
{
    "Version": "2012-10-17",
    "Statement": [
        {
            "Action": [
                "storagegateway:Describe*",
                "elasticloadbalancing:*",
                "lambda:*",
                "sqs:List*"
            ],
            "Effect": "Allow",
            "Resource": "*"
        }
    ]
}
```

Which actions does this policy allow? (Select TWO.)

A. Create an AWS Storage Gateway.
B. Create an IAM role for an AWS Lambda function.
C. Delete an Amazon Simple Queue Service (Amazon SQS) queue.
D. Describe AWS load balancers.
E. Invoke an AWS Lambda function.

Answer: DE

NEW QUESTION 10
- (Exam Topic 1)
A SysOps administrator has created a VPC that contains a public subnet and a private subnet. Amazon EC2 instances that were launched in the private subnet cannot access the internet. The default network ACL is active on all subnets in the VPC, and all security groups allow all outbound traffic:
Which solution will provide the EC2 instances in the private subnet with access to the internet?

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

Answer: A

Explanation:
NAT Gateway resides in public subnet, and traffic should be routed from private subnet to NAT Gateway: https://docs.aws.amazon.com/vpc/latest/userguide/vpc-nat-gateway.html

NEW QUESTION 13
- (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 16
- (Exam Topic 1)
A company is running an application on premises and wants to use AWS for data backup All of the data must be available locally The backup application can write only to block-based storage that is compatible with the Portable Operating System Interface (POSIX)
Which backup solution will meet these requirements?

A. Configure the backup software to use Amazon S3 as the target for the data backups

B. Configure the backup software to use Amazon S3 Glacier as the target for the data backups
C. Use AWS Storage Gateway, and configure it to use gateway-cached volumes
D. Use AWS Storage Gateway, and configure it to use gateway-stored volumes

Answer: D

Explanation:
https://docs.aws.amazon.com/storagegateway/latest/userguide/StorageGatewayConcepts.html

NEW QUESTION 17
- (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 22
- (Exam Topic 1)
A company is hosting applications on Amazon EC2 instances. The company is hosting a database on an Amazon RDS for PostgreSQL DB instance. The company
requires all connections to the DB instance to be encrypted.
What should a SysOps administrator do to meet this requirement?

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

Answer: C

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

NEW QUESTION 27
- (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 31
- (Exam Topic 1)
A software company runs a workload on Amazon EC2 instances behind an Application Load Balancer (ALB) A SysOcs administrator needs to define a custom
health check for the EC2 instances. What is the MOST operationally efficient solution?

A. Set up each EC2 Instance so that it writes its healthy/unhealthy status into a shared Amazon S3 bucket for the ALB to read
B. Configure the health check on the ALB and ensure that the HeathCheckPath setting s correct
C. Set up Amazon ElasticCache to track the EC2 instances as they scale in and out
D. Configure an Amazon API Gateway health check to ensure custom checks on aw of the EC2 instances

Answer: B

NEW QUESTION 34
- (Exam Topic 1)
A company has an AWS Cloud Formation template that creates an Amazon S3 bucket. A user authenticates to the corporate AWS account with their Active
Directory credentials and attempts to deploy the Cloud Formation template. However, the stack creation fails.
Which factors could cause this failure? (Select TWO.)

A. The user's IAM policy does not allow the cloudformation:CreateStack action.
B. The user's IAM policy does not allow the cloudformation:CreateStackSet action.
C. The user's IAM policy does not allow the s3:CreateBucket action.
D. The user's IAM policy explicitly denies the s3:ListBucket action.
E. The user's IAM policy explicitly denies the s3:PutObject action

Answer: AC

NEW QUESTION 37
- (Exam Topic 1)
A SysOps administrator has successfully deployed a VPC with an AWS Cloud Formation template The SysOps administrator wants to deploy me same template across multiple accounts that are managed through AWS Organizations.
Which solution will meet this requirement with the LEAST operational overhead?

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

Answer: D

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

NEW QUESTION 40
- (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 41
- (Exam Topic 1)
A company is managing multiple AWS accounts in AWS Organizations. The company is reviewing internal security of its AWS environment. The company's security administrator has their own AWS account and wants to review the VPC configuration of developer AWS accounts.
Which solution will meet these requirements in the MOST secure manner?

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

Answer: D

NEW QUESTION 46
- (Exam Topic 1)
A SysOps administrator is responsible for a large fleet of Amazon EC2 instances and must know whether any instances will be affected by upcoming hardware maintenance. Which option would provide this information with the LEAST administrative overhead?

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

Answer: D

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

NEW QUESTION 50
- (Exam Topic 1)
A company manages an application that uses Amazon ElastiCache for Redis with two extra-large nodes spread across two different Availability Zones. The company's IT team discovers that the ElastiCache for Redis cluster has 75% freeable memory. The application must maintain high availability.
What is the MOST cost-effective way to resize the cluster?

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

G. After the process is complete, shut down the original cluster.
H. Perform an online resizing for the ElastiCache for Redis cluste
I. Change the node types from extra-large nodes to large nodes.

Answer: D

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

NEW QUESTION 53
- (Exam Topic 1)
A company has an application that customers use to search for records on a website. The application's data is stored in an Amazon Aurora DB cluster. The application's usage varies by season and by day of the week.
The website's popularity is increasing, and the website is experiencing slower performance because of increased load on the DB cluster during periods of peak activity. The application logs show that the performance issues occur when users are searching for information. The same search is rarely performed multiple times.
A SysOps administrator must improve the performance of the platform by using a solution that maximizes resource efficiency.
Which solution will meet these requirements?

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

Answer: B

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

NEW QUESTION 56
- (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 59
- (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 61
- (Exam Topic 1)
A company has a mobile app that uses Amazon S3 to store images The images are popular for a week, and then the number of access requests decreases over time The images must be highly available and must be immediately accessible upon request A SysOps administrator must reduce S3 storage costs for the company Which solution will meet these requirements MOST cost-effectively?

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

Answer: D

NEW QUESTION 66

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

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

Answer: B

NEW QUESTION 70
- (Exam Topic 1)
A SysOps administrator needs to configure a solution that will deliver digital content to a set of authorized
users through Amazon CloudFront. Unauthorized users must be restricted from access. Which solution will meet these requirements?

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

Answer: B

NEW QUESTION 75
- (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 77
- (Exam Topic 1)
A company runs hundreds of Amazon EC2 instances in a single AWS Region. Each EC2 instance has two attached 1 GiB General Purpose SSD (gp2) Amazon Elastic Block Store (Amazon EBS) volumes. A critical workload is using all the available IOPS capacity on the EBS volumes.
According to company policy, the company cannot change instance types or EBS volume types without completing lengthy acceptance tests to validate that the company's applications will function properly. A SysOps administrator needs to increase the I/O performance of the EBS volumes as quickly as possible.
Which action should the SysOps administrator take to meet these requirements?

A. Increase the size of the 1 GiB EBS volumes.
B. Add two additional elastic network interfaces on each EC2 instance.
C. Turn on Transfer Acceleration on the EBS volumes in the Region.
D. Add all the EC2 instances to a cluster placement group.

Answer: A

Explanation:
Increasing the size of the 1 GiB EBS volumes will increase the IOPS capacity of the volumes, which will improve the I/O performance of the EBS volumes. This option does not require any changes to the instance types or EBS volume types, so it can be done quickly without the need for lengthy acceptance tests to validate that the company's applications will function properly.
https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/requesting-ebs-volume-modifications.html

NEW QUESTION 78
- (Exam Topic 1)
A company is implementing a monitoring solution that is based on machine learning. The monitoring solution consumes Amazon EventBridge (Amazon CloudWatch Events) events that are generated by Amazon EC2 Auto Scaling. The monitoring solution provides detection of anomalous behavior such as unanticipated scaling events and is configured as an EventBridge (CloudWatch Events) API destination.
During initial testing, the company discovers that the monitoring solution is not receiving events. However, Amazon CloudWatch is showing that the EventBridge (CloudWatch Events) rule is being invoked. A SysOps administrator must implement a solution to retrieve client error details to help resolve this issue.

Which solution will meet these requirements with the LEAST operational effort?

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

Answer: A

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

NEW QUESTION 81
- (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 84
- (Exam Topic 1)
A recent audit found that most resources belonging to the development team were in violation of patch compliance standards The resources were properly tagged
Which service should be used to quickly remediate the issue and bring the resources back into compliance?

A. AWS Config
B. Amazon Inspector
C. AWS Trusted Advisor
D. AWS Systems Manager

Answer: D

NEW QUESTION 89
- (Exam Topic 1)
A company is undergoing an external audit of its systems, which run wholly on AWS. A SysOps administrator must supply documentation of Payment Card Industry Data Security Standard (PCI DSS) compliance for the infrastructure managed by AWS.
Which set of action should the SysOps administrator take to meet this requirement?

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

Answer: A

NEW QUESTION 93
- (Exam Topic 1)
A company is using Amazon CloudFront to serve static content for its web application to its users. The CloudFront distribution uses an existing on-premises website as a custom origin.
The company requires the use of TLS between CloudFront and the origin server. This configuration has worked as expected for several months. However, users are now experiencing HTTP 502 (Bad Gateway) errors when they view webpages that include content from the CloudFront distribution.
What should a SysOps administrator do to resolve this problem?

A. Examine the expiration date on the certificate on the origin sit

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

Answer: A

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

NEW QUESTION 94
- (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 98
- (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 100
- (Exam Topic 1)
A SysOps administrator has enabled AWS CloudTrail in an AWS account. If CloudTrail is disabled, it must be re-enabled immediately. What should the SysOps administrator do to meet these requirements WITHOUT writing custom code?

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

Answer: D

NEW QUESTION 103
- (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 106
- (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 107
- (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 112
- (Exam Topic 1)
A SysOps administrator is trying to set up an Amazon Route 53 domain name to route traffic to a website hosted on Amazon S3. The domain name of the website is www.anycompany.com and the S3 bucket name is anycompany-static. After the record set is set up in Route 53, the domain name www.anycompany.com does not seem to work, and the static website is not displayed in the browser.
Which of the following is a cause of this?

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

Answer: D

NEW QUESTION 117
- (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 121
- (Exam Topic 1)
A company needs to create a daily Amazon Machine Image (AMI) of an existing Amazon Linux EC2 instance that hosts the operating system, application, and database on multiple attached Amazon Elastic Block Store (Amazon EBS) volumes. File system integrity must be maintained.
Which solution will meet these requirements?

A. Create an AWS Lambda function to call the CreateImage API operation with the EC2 instance ID and the no-reboot parameter enable
B. Create a daily scheduled Amazon EventBridge (Amazon CloudWatch Events) rule that invokes the function.
C. Create an AWS Lambda function to call the CreateImage API operation with the EC2 instance ID and the reboot parameter enable
D. Create a daily scheduled Amazon EventBridge (Amazon CloudWatch Events) rule that invokes the function.

E. Use AWS Backup to create a backup plan with a backup rule that runs dail
F. Assign the resource ID of the EC2 instance with the no-reboot parameter enabled.
G. Use AWS Backup to create a backup plan with a backup rule that runs dail
H. Assign the resource ID of the EC2 instance with the reboot parameter enabled.

Answer: B

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

NEW QUESTION 125
- (Exam Topic 1)
An Amazon EC2 instance needs to be reachable from the internet. The EC2 instance is in a subnet with the following route table:

Destination	Target
10.0.0.0/16	Local
172.31.0.0/16	pcx-1122334455

Which entry must a SysOps administrator add to the route table to meet this requirement?

A. A route for 0.0.0.0/0 that points to a NAT gateway
B. A route for 0.0.0.0/0 that points to an egress-only internet gateway
C. A route for 0.0.0.0/0 that points to an internet gateway
D. A route for 0.0.0.0/0 that points to an elastic network interface

Answer: C

NEW QUESTION 130
- (Exam Topic 1)
A SysOps administrator has an AWS CloudFormation template of the company's existing infrastructure in us-west-2. The administrator attempts to use the template to launch a new stack in eu-west-1, but the stack only partially deploys, receives an error message, and then rolls back.
Why would this template fail to deploy? (Select TWO.)

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

Answer: BD

NEW QUESTION 134
- (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 136
- (Exam Topic 1)
A company runs an application on Amazon EC2 instances. The EC2 instances are in an Auto Scaling group and run behind an Application Load Balancer (ALB). The application experiences errors when total requests exceed 100 requests per second. A SysOps administrator must collect information about total requests for a 2-week period to determine when requests exceeded this threshold.
What should the SysOps administrator do to collect this data?

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

Answer: A

Explanation:
Using the ALB's RequestCount metric will allow the SysOps administrator to collect information about total requests for a 2-week period and determine when

requests exceeded the threshold of 100 requests per second. Configuring a time range of 2 weeks and a period of 1 minute will ensure that the data can be accurately examined to determine peak traffic times and volumes.

NEW QUESTION 141
- (Exam Topic 1)
A team of On-call engineers frequently needs to connect to Amazon EC2 Instances In a private subnet to troubleshoot and run commands. The Instances use either the latest AWS-provided Windows Amazon Machine Images (AMIs) or Amazon Linux AMIs.
The team has an existing IAM role for authorization. A SysOps administrator must provide the team with
access to the Instances by granting IAM permissions to this Which solution will meet this requirement?

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

Answer: A

NEW QUESTION 144
- (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 148
- (Exam Topic 1)
A company wants to be alerted through email when IAM CreateUser API calls are made within its AWS account.
Which combination of actions should a SysOps administrator take to meet this requirement? (Choose two.)

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

Answer: AD

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

NEW QUESTION 149
- (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 154
- (Exam Topic 1)
A SysOps administrator is deploying a test site running on Amazon EC2 instances. The application requires both incoming and outgoing connectivity to the internet.
Which combination of steps are required to provide internet connectivity to the EC2 instances? (Choose two.)

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

Answer: DE

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

NEW QUESTION 159
- (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 163
- (Exam Topic 1)
A company has a stateful web application that is hosted on Amazon EC2 instances in an Auto Scaling group. The instances run behind an Application Load Balancer (ALB) that has a single target group. The ALB is configured as the origin in an Amazon CloudFront distribution. Users are reporting random logouts from the web application.
Which combination of actions should a SysOps administrator take to resolve this problem? (Select TWO.)

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

Answer: BE

Explanation:
https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/Cookies.html
You can configure each cache behavior to do one of the following: Forward all cookies to your origin – CloudFront includes all cookies sent by the viewer when it forwards requests to the origin. https://docs.aws.amazon.com/elasticloadbalancing/latest/application/sticky-sessions.html
By default, an Application Load Balancer routes each request independently to a registered target based on the chosen load-balancing algorithm.

NEW QUESTION 165
- (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. AWS Config
D. AWS Systems Manager

Answer: C

NEW QUESTION 170
- (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 175
- (Exam Topic 1)

A company runs an application on an Amazon EC2 instance A SysOps administrator creates an Auto Scaling group and an Application Load Balancer (ALB) to handle an increase in demand However, the EC2 instances are failing tie health check.
What should the SysOps administrator do to troubleshoot this issue?

A. Verity that the Auto Scaling group is configured to use all AWS Regions.
B. Verily that the application is running on the protocol and the port that the listens is expecting.
C. Verify the listener priority in the ALB Change the priority if necessary.
D. Verify the maximum number of instances in the Auto Scaling group Change the number if necessary

Answer: B

NEW QUESTION 176
- (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 180
- (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 184
- (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 188
- (Exam Topic 1)
A company uses AWS Organizations. A SysOps administrator wants to use AWS Compute Optimizer and AWS tag policies in the management account to govern all member accounts in the billing family. The SysOps administrator navigates to the AWS Organizations console but cannot activate tag policies through the management account.
What could be the reason for this issue?

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

Answer: C

NEW QUESTION 189
- (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 191
- (Exam Topic 1)
A company plans to run a public web application on Amazon EC2 instances behind an Elastic Load Balancer (ELB). The company's security team wants to protect the website by using AWS Certificate Manager (ACM) certificates The ELB must automatically redirect any HTTP requests to HTTPS
Which solution will meet these requirements?

A. Create an Application Load Balancer that has one HTTPS listener on port 80 Attach an SSLTLS certificate to listener port 80 Create a rule to redirect requests from HTTP to HTTPS
B. Create an Application Load Balancer that has one HTTP listener on port 80 and one HTTPS protocol listener on port 443 Attach an SSL TLS certificate to listener port 443 Create a rule to redirect requests from port 80 to port 443
C. Create an Application Load Balancer that has two TCP listeners on port 80 and port 443 Attach an SSLTLS certificate to listener port 443 Create a rule to redirect requests from port 80 to port 443
D. Create a Network Load Balancer that has two TCP listeners on port 80 and port 443 Attach an SSLTLS certificate to listener port 443 Create a rule to redirect requests from port 80 to port 443

Answer: B

NEW QUESTION 192
- (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 194
- (Exam Topic 1)
A company migrated an I/O intensive application to an Amazon EC2 general purpose instance. The EC2 instance has a single General Purpose SSD Amazon Elastic Block Store (Amazon EBS) volume attached.
Application users report that certain actions that require intensive reading and writing to the disk are taking much longer than normal or are failing completely. After reviewing the performance metrics of the EBS volume, a SysOps administrator notices that the VolumeQueueLength metric is consistently high during the same times in which the users are reporting issues. The SysOps administrator needs to resolve this problem to restore full performance to the application.
Which action will meet these requirements?

A. Modify the instance type to be storage optimized.
B. Modify the volume properties by deselecting Auto-Enable Volume 10.
C. Modify the volume properties to increase the IOPS.
D. Modify the instance to enable enhanced networking.

Answer: C

NEW QUESTION 197
- (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 199
- (Exam Topic 1)
A compliance learn requites all administrator passwords for Amazon RDS DB instances to be changed at least annually.
Which solution meets this requirement in the MOST operationally efficient manner?

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

Answer: A

NEW QUESTION 202
- (Exam Topic 1)
An Amazon S3 Inventory report reveals that more than 1 million objects in an S3 bucket are not encrypted These objects must be encrypted, and all future objects must be encrypted at the time they are written
Which combination of actions should a SysOps administrator take to meet these requirements? (Select TWO)

A. Create an AWS Config rule that runs evaluations against configuration changes to the S3 bucket When an unencrypted object is found run an AWS Systems Manager Automation document to encrypt the object in place
B. Edit the properties of the S3 bucket to enable default server-side encryption
C. Filter the S3 Inventory report by using S3 Select to find all objects that are not encrypted Create an S3 Batch Operations job to copy each object in place with en cryption enabled
D. Filter the S3 Inventory report by using S3 Select to find all objects that are not encrypted Send each object name as a message to an Amazon Simple Queue Service (Amazon SQS) queue Use the SQS queue to invoke an AWS Lambda function to tag each object with a key of "Encryption" and a value of "SSE-KMS"
E. Use S3 Event Notifications to invoke an AWS Lambda function on all new object-created events for the S3 bucket Configure the Lambda function to check whether the object is encrypted and to run an AWS Systems Manager Automation document to encrypt the object in place when an unencrypted object is found

Answer: BC

Explanation:
https://aws.amazon.com/blogs/storage/encrypting-objects-with-amazon-s3-batch-operations/

NEW QUESTION 206
- (Exam Topic 1)
A company needs to restrict access to an Amazon S3 bucket to Amazon EC2 instances in a VPC only. All traffic must be over the AWS private network.
What actions should the SysOps administrator take to meet these requirements?

A. Create a VPC endpoint for the S3 bucket, and create an IAM policy that conditionally limits all S3 actions on the bucket to the VPC endpoint as the source.
B. Create a VPC endpoint for the S3 bucket, and create an S3 bucket policy that conditionally limits all S3 actions on the bucket to the VPC endpoint as the source.
C. Create a service-linked role for Amazon EC2 that allows the EC2 instances to interact directly with Amazon S3, and attach an IAM policy to the role that allows the EC2 instances full access to the S3 bucket.
D. Create a NAT gateway in the VPC, and modify the VPC route table to route all traffic destined for Amazon S3 through the NAT gateway.

Answer: B

Explanation:
While IAM policy (letter A) also can be used, it does not enforce everyone. The only option that enforces everyone is policy configured directly in the bucket S3.

NEW QUESTION 210
- (Exam Topic 1)
A company runs workloads on 90 Amazon EC2 instances in the eu-west-1 Region in an AWS account. In 2 months, the company will migrate the workloads from eu-west-1 to the eu-west-3 Region.
The company needs to reduce the cost of the EC2 instances. The company is willing to make a 1-year commitment that will begin next week. The company must choose an EC2 Instance purchasing option that will provide discounts for the 90 EC2 Instances regardless of Region during the 1-year period. Which solution will meet these requirements?

A. Purchase EC2 Standard Reserved Instances.
B. Purchase an EC2 Instance Savings Plan.
C. Purchase EC2 Convertible Reserved Instances.
D. Purchase a Compute Savings Plan.

Answer: B

NEW QUESTION 215
- (Exam Topic 1)
A company hosts an application on an Amazon EC2 instance in a single AWS Region. The application requires support for non-HTTP TCP traffic and HTTP traffic.

The company wants to deliver content with low latency by leveraging the AWS network. The company also wants to implement an Auto Scaling group with an Elastic Load Balancer.
How should a SysOps administrator meet these requirements?

A. Create an Auto Scaling group with an Application Load Balancer (ALB). Add an Amazon CloudFront distribution with the ALB as the origin.
B. Create an Auto Scaling group with an Application Load Balancer (ALB). Add an accelerator with AWS Global Accelerator with the ALB as an endpoint.
C. Create an Auto Scaling group with a Network Load Balancer (NLB). Add an Amazon CloudFront distribution with the NLB as the origin.
D. Create an Auto Scaling group with a Network Load Balancer (NLB). Add an accelerator with AWS Global Accelerator with the NLB as an endpoint.

Answer: D

Explanation:
AWS Global Accelerator and Amazon CloudFront are separate services that use the AWS global network and its edge locations around the world. CloudFront improves performance for both cacheable content (such as images and videos) and dynamic content (such as API acceleration and dynamic site delivery). Global Accelerator improves performance for a wide range of applications over TCP or UDP by proxying packets at the edge to applications running in one or more AWS Regions. Global Accelerator is a good fit for non-HTTP use cases, such as gaming (UDP), IoT (MQTT), or Voice over IP, as well as for HTTP use cases that specifically require static IP addresses or deterministic, fast regional failover. Both services integrate with AWS Shield for DDoS protection.
https://medium.com/awesome-cloud/aws-difference-between-application-load-balancer-and-network-load-balan https://aws.amazon.com/global-accelerator/faqs/?nc1=h_ls

NEW QUESTION 216
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