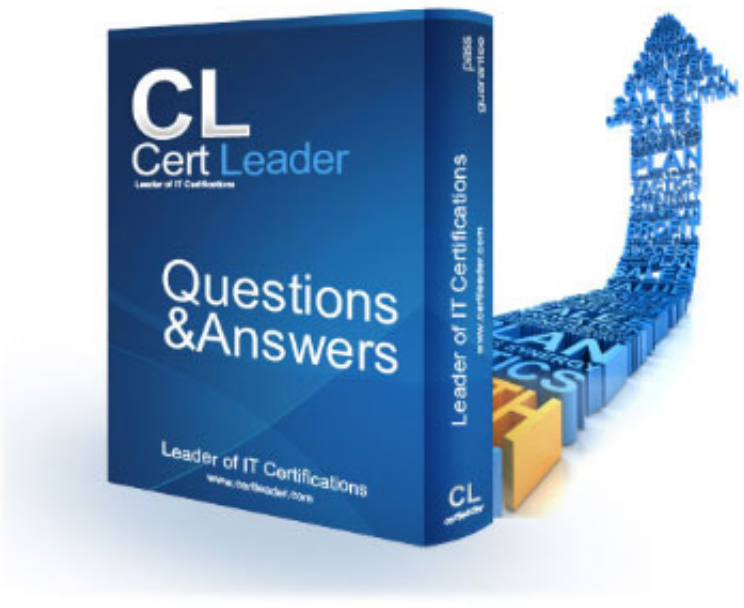
AWS-SysOps Dumps

Amazon AWS Certified SysOps Administrator - Associate

https://www.certleader.com/AWS-SysOps-dumps.html



NEW QUESTION 1
- (Exam Topic 2)
A webpage is stored in an Amazon S3 bucket behind an Application Load Balancer (ALB). Configure the SS bucket to serve a static error page in the event of a failure at the primary site.
* 1. Use the us-east-2 Region for all resources.
* 2. Unless specified below, use the default configuration settings.
* 3. There is an existing hosted zone named lab 751906329398-26023898.com that contains an A record with a simple routing policy that routes traffic to an existing ALB.
* 4. Configure the existing S3 bucket named lab-751906329398-26023898.com as a static hosted website using the object named index.html as the index document
* 5. For the index-html object, configure the S3 ACL to allow for public read access. Ensure public access to the S3 bucketjs allowed.
* 6. In Amazon Route 53, change the A record for domain lab-751906329398-26023898.com to a primary record for a failover routing policy. Configure the record so that it evaluates the health of the ALB to determine failover.
* 7. Create a new secondary failover alias record for the domain lab-751906329398-26023898.com that routes traffic to the existing 53 bucket.

A. Mastered
B. Not Mastered

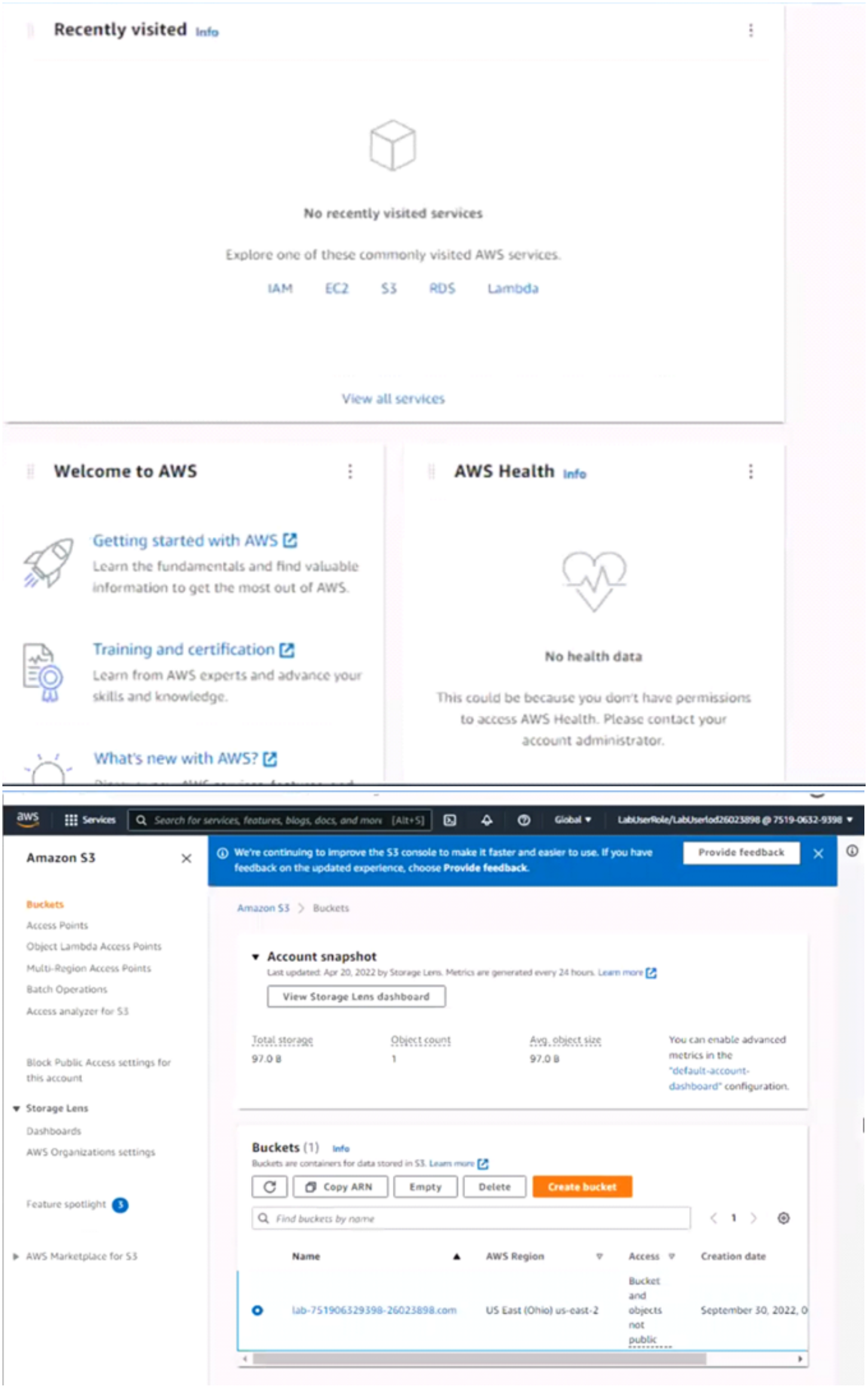
Answer: A

Explanation:
Here are the steps to configure an Amazon S3 bucket to serve a static error page in the event of a failure at the primary site:
- Log in to the AWS Management Console and navigate to the S3 service in the us-east-2 Region.
- Find the existing S3 bucket named lab-751906329398-26023898.com and click on it.
- In the "Properties" tab, click on "Static website hosting" and select "Use this bucket to host a website".
- In "Index Document" field, enter the name of the object that you want to use as the index document, in this case, "index.html"
- In the "Permissions" tab, click on "Block Public Access", and make sure that "Block all public access" is turned OFF.
- Click on "Bucket Policy" and add the following policy to allow public read access:

```
{
"Version": "2012-10-17",
"Statement": [
{
"Sid": "PublicReadGetObject", "Effect": "Allow",
"Principal": "*", "Action": "s3:GetObject",
"Resource": "arn:aws:s3:::lab-751906329398-26023898.com/*"
}
]
}
```

- Now navigate to the Amazon Route 53 service, and find the existing hosted zone named lab-751906329398-26023898.com.
- Click on the "A record" and update the routing policy to "Primary - Failover" and add the existing ALB as the primary record.
- Click on "Create Record" button and create a new secondary failover alias record for the domain lab-751906329398-26023898.com that routes traffic to the existing S3 bucket.
- Now, when the primary site (ALB) goes down, traffic will be automatically routed to the S3 bucket serving the static error page.

Note:
- You can use CloudWatch to monitor the health of your ALB.
- You can use Amazon S3 to host a static website.
- You can use Amazon Route 53 for routing traffic to different resources based on health checks.
- You can refer to the AWS documentation for more information on how to configure and use these services:
- https://aws.amazon.com/s3/
- https://aws.amazon.com/route53/
- https://aws.amazon.com/cloudwatch/



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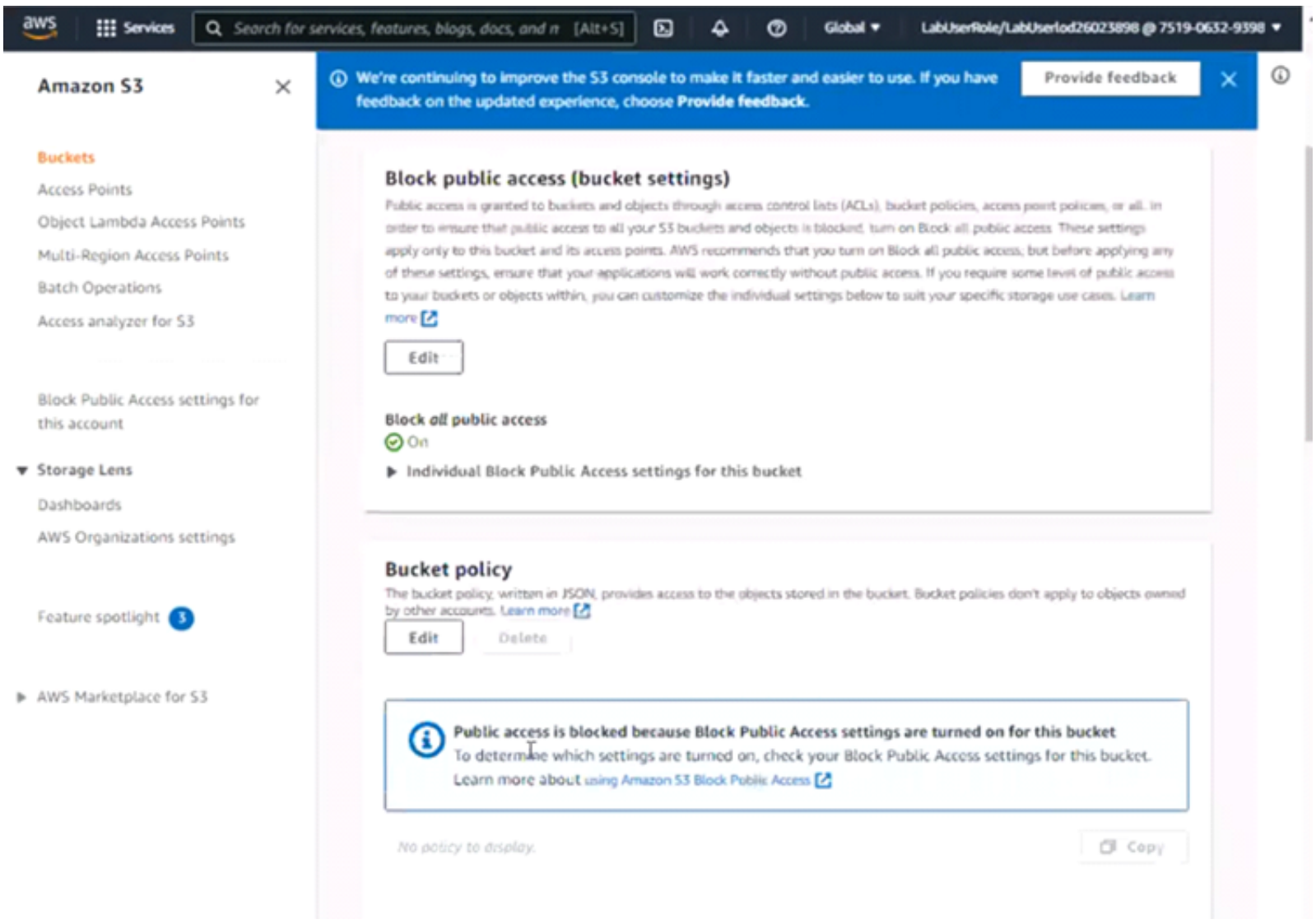

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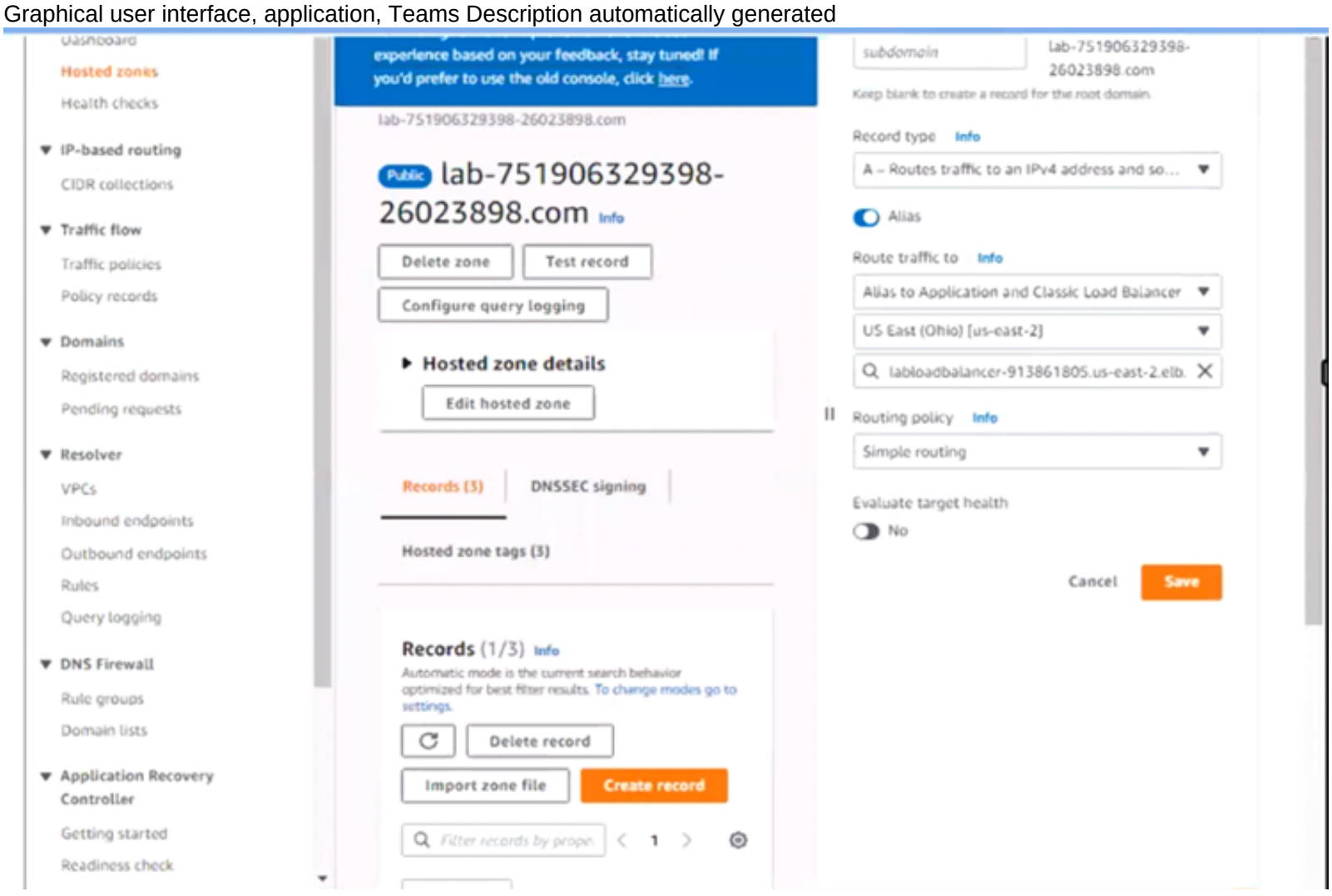

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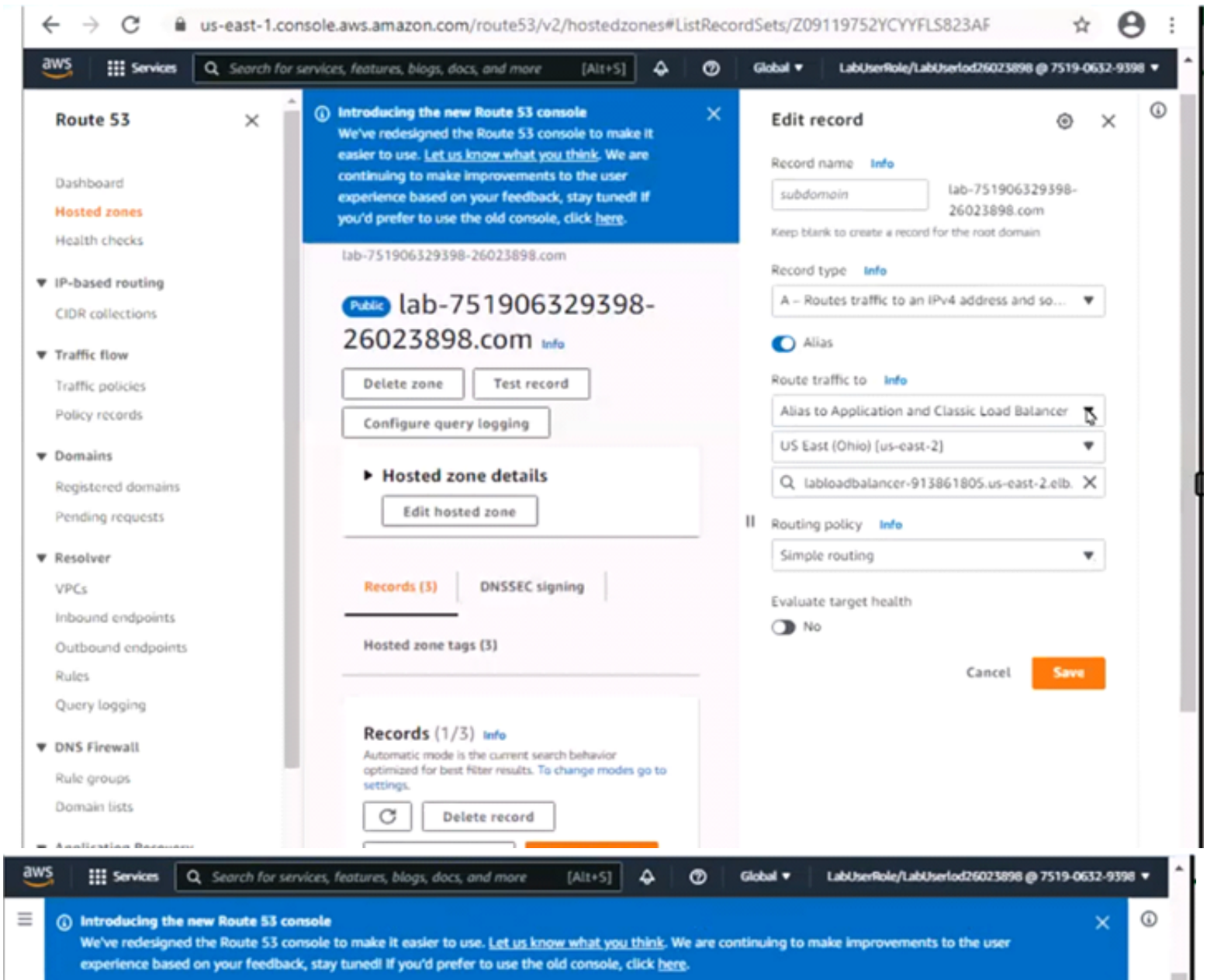

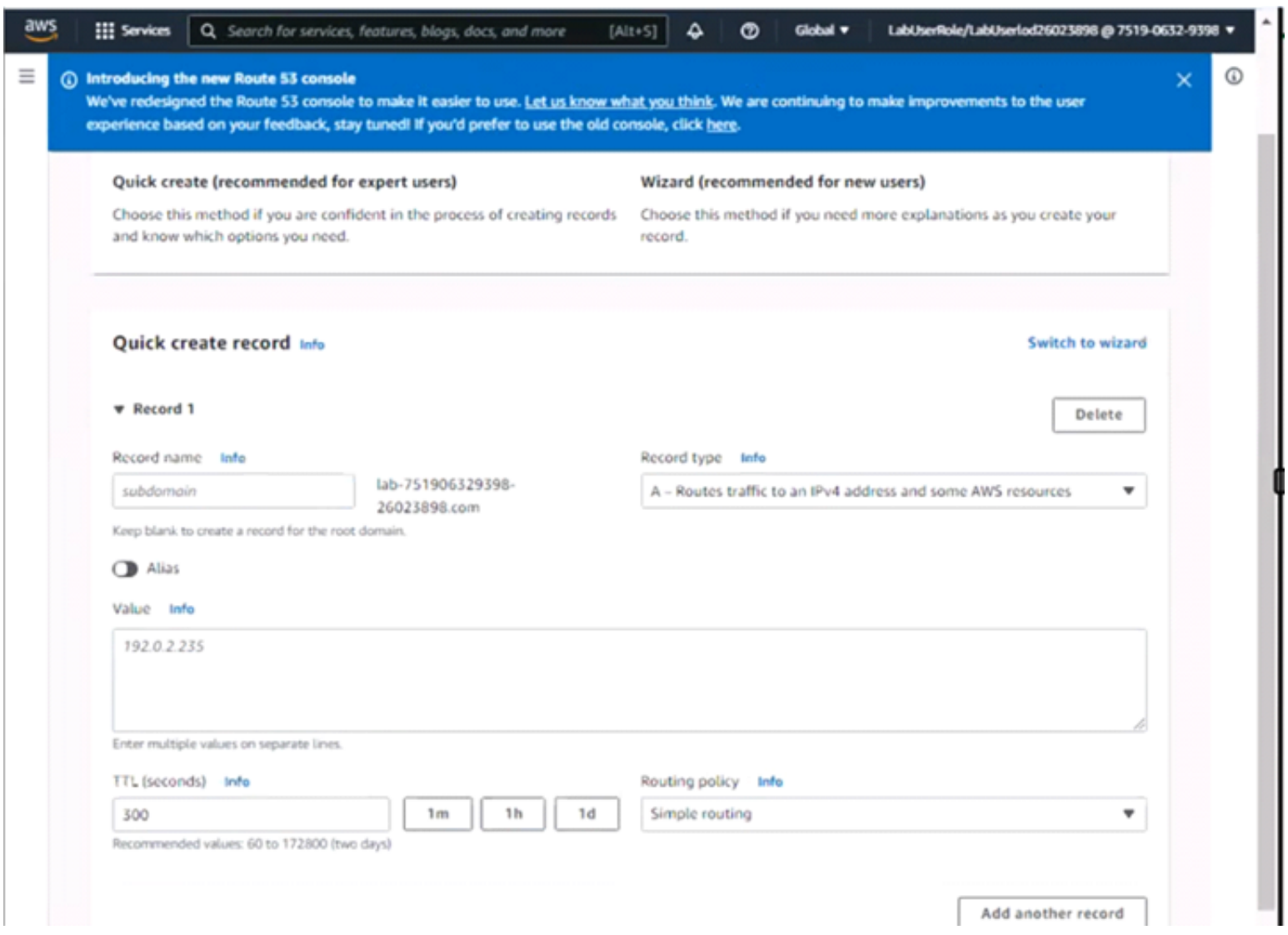

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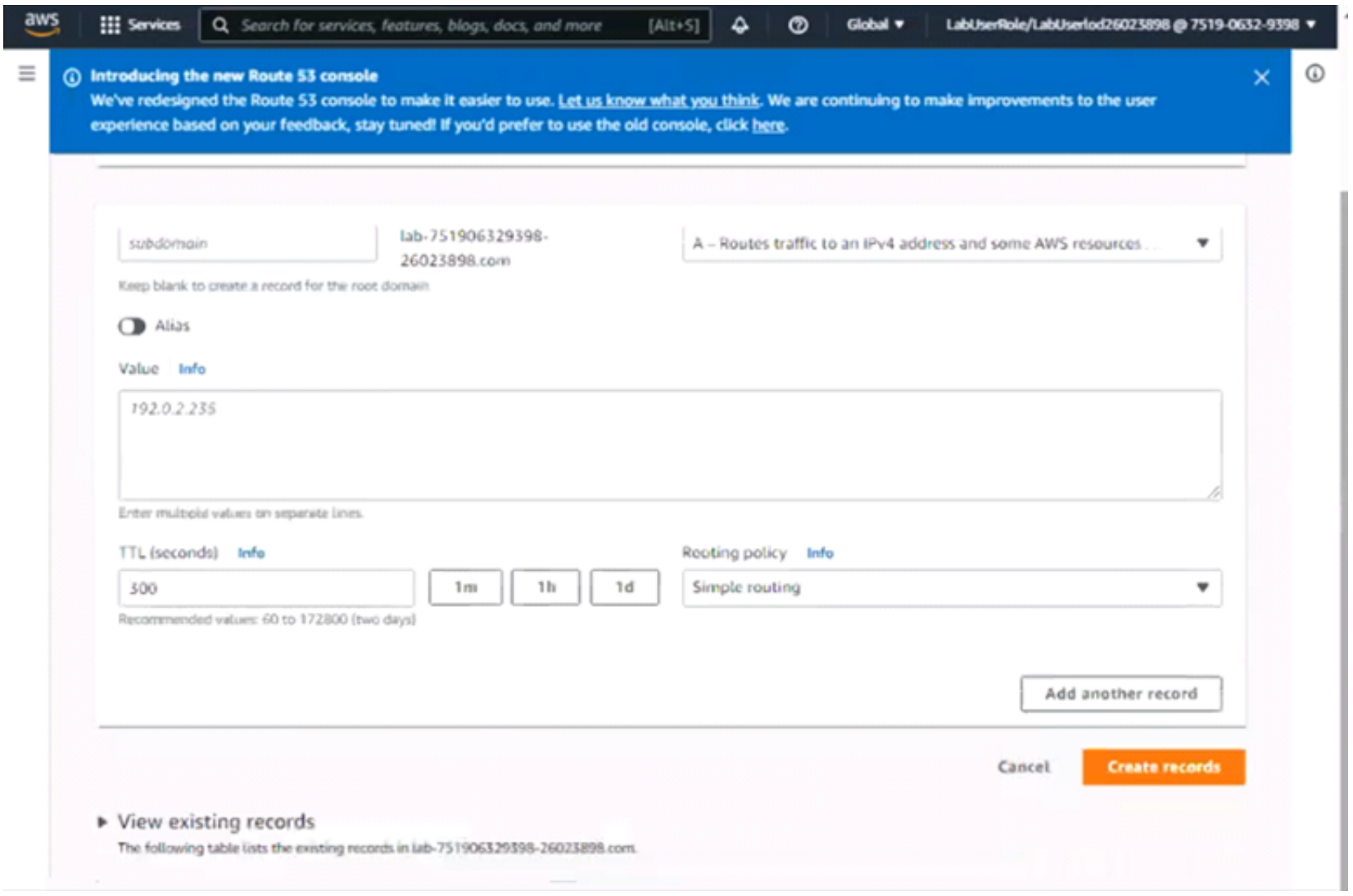

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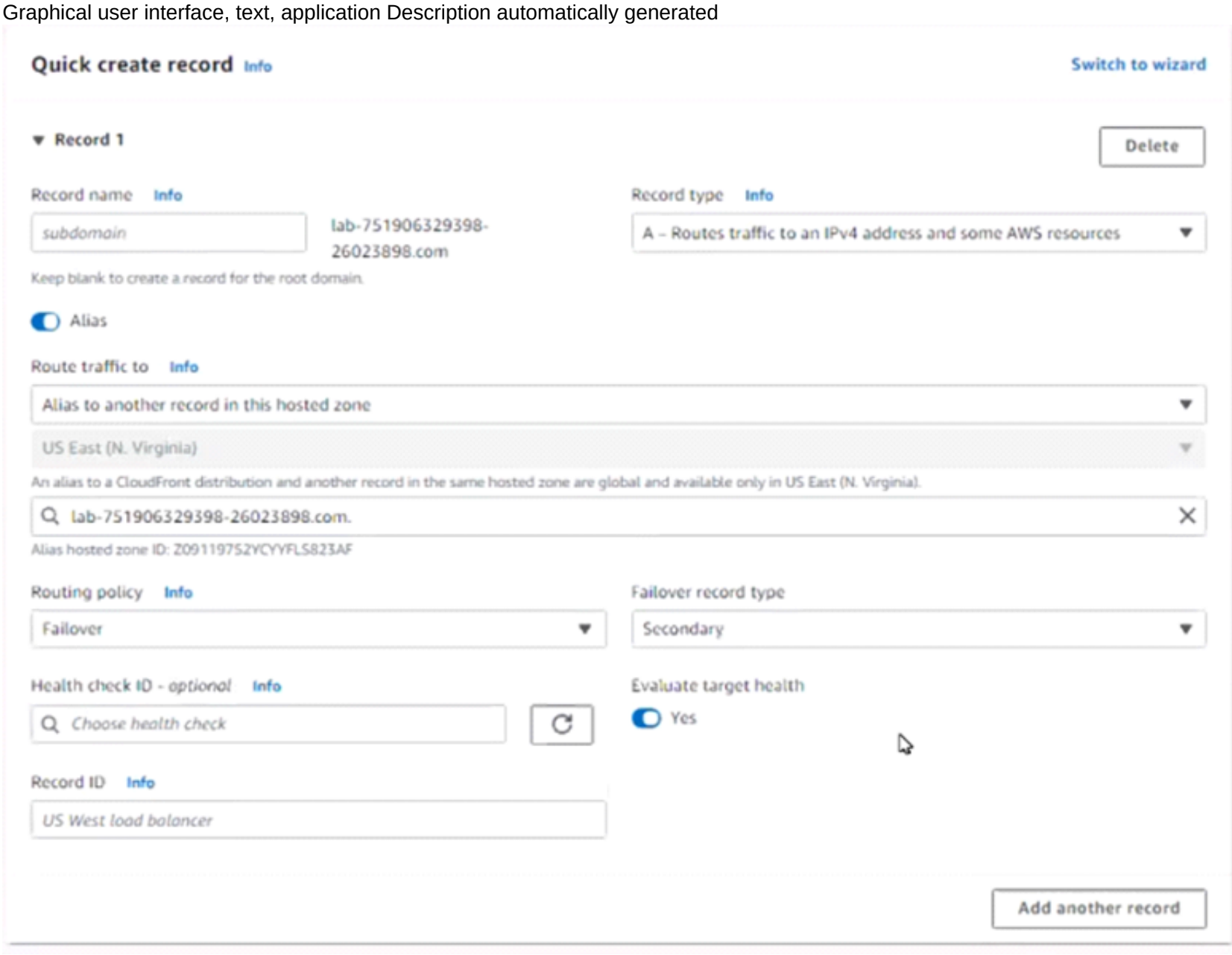

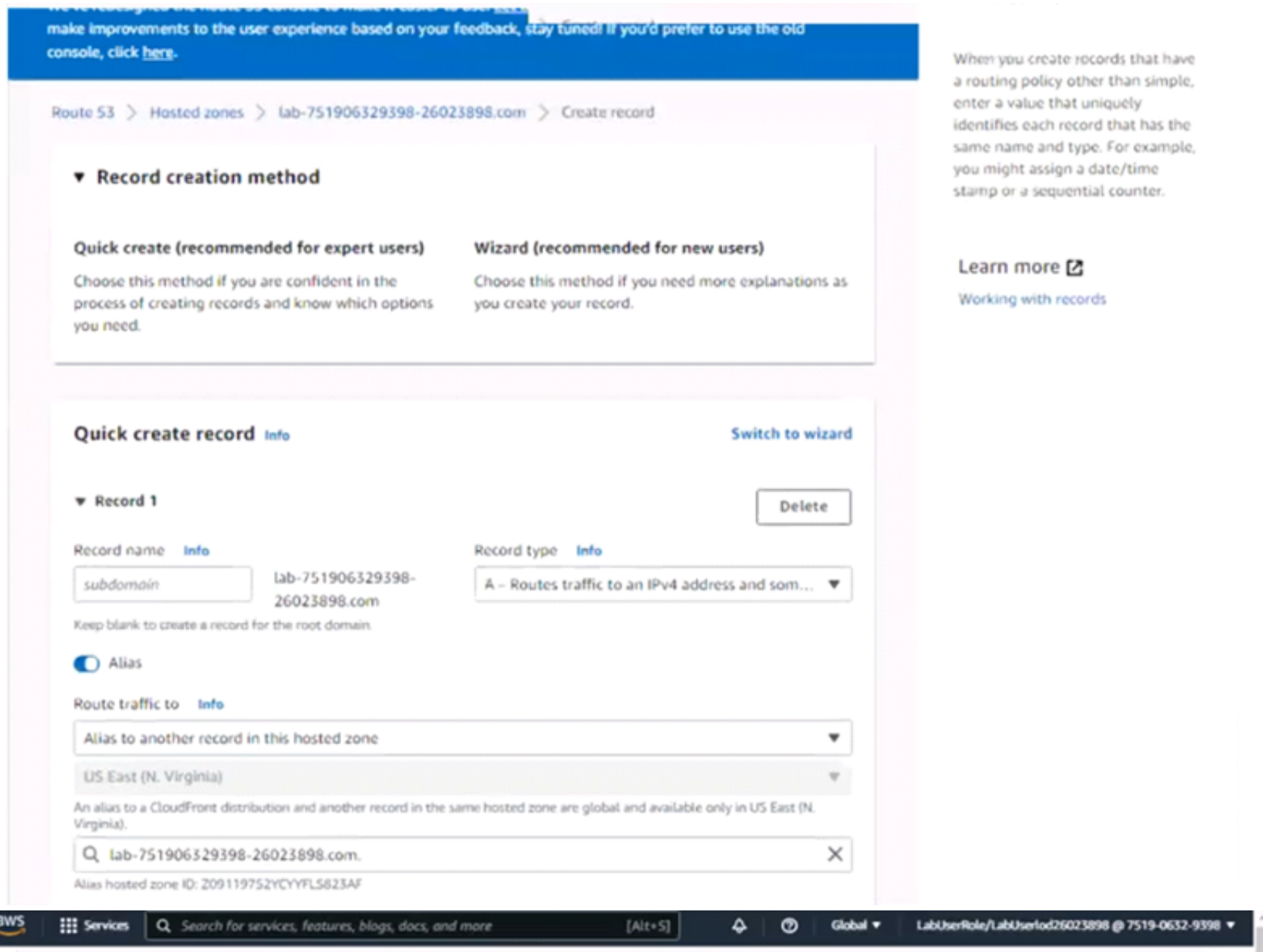

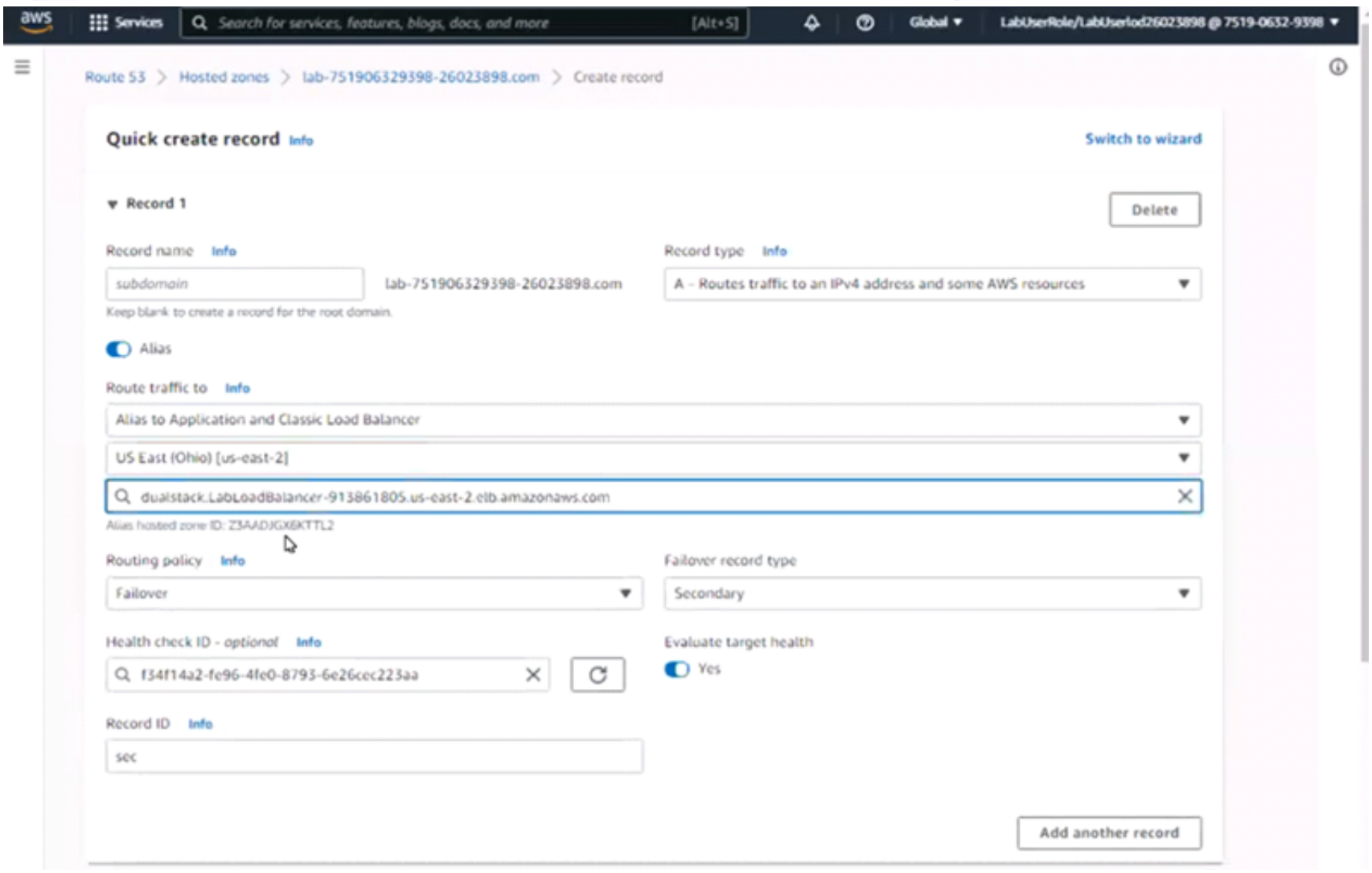

NEW QUESTION 2
- (Exam Topic 2)
If your AWS Management Console browser does not show that you are logged in to an AWS account, close the browser and relaunch the console by using the AWS Management Console shortcut from the VM desktop.
If the copy-paste functionality is not working in your environment, refer to the instructions file on the VM desktop and use Ctrl+C, Ctrl+V or Command-C , Command-V.
Configure Amazon EventBridge to meet the following requirements.
* 1. use the us-east-2 Region for all resources,
* 2. Unless specified below, use the default configuration settings.
* 3. Use your own resource naming unless a resource name is specified below.
* 4. Ensure all Amazon EC2 events in the default event bus are replayable for the past 90 days.
* 5. Create a rule named RunFunction to send the exact message every 1 5 minutes to an existing AWS Lambda function named LogEventFunction.
* 6. Create a rule named SpotWarning to send a notification to a new standard Amazon SNS topic named TopicEvents whenever an Amazon EC2 Spot Instance is interrupted. Do NOT create any topic subscriptions. The notification must match the following structure:

Input path:

```
{"instance":"$.detail.instance-id"}
```

Input Path:
{“instance” : “$.detail.instance-id”}
Input template:
“ The EC2 Spot Instance <instance> has been on account.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Here are the steps to configure Amazon EventBridge to meet the above requirements:

- Log in to the AWS Management Console by using the AWS Management Console shortcut from the VM desktop. Make sure that you are logged in to the desired AWS account.
- Go to the EventBridge service in the us-east-2 Region.
- In the EventBridge service, navigate to the "Event buses" page.
- Click on the "Create event bus" button.
- Give a name to your event bus, and select "default" as the event source type.
- Navigate to "Rules" page and create a new rule named "RunFunction"
- In the "Event pattern" section, select "Schedule" as the event source and set the schedule to run every 15 minutes.
- In the "Actions" section, select "Send to Lambda" and choose the existing AWS Lambda function named "LogEventFunction"
- Create another rule named "SpotWarning"
- In the "Event pattern" section, select "EC2" as the event source, and filter the events on "EC2 Spot Instance interruption"
- In the "Actions" section, select "Send to SNS topic" and create a new standard Amazon SNS topic named "TopicEvents"
- In the "Input Transformer" section, set the Input Path to {“instance” : “$.detail.instance-id”} and Input template to “The EC2 Spot Instance <instance> has been interrupted on account.
- Now all Amazon EC2 events in the default event bus will be replayable for past 90 days. Note:
- You can use the AWS Management Console, AWS CLI, or SDKs to create and manage EventBridge resources.
- You can use CloudTrail event history to replay events from the past 90 days.
- You can refer to the AWS EventBridge documentation for more information on how to configure and use the service: https://aws.amazon.com/eventbridge/

NEW QUESTION 3
- (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 4
- (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 5
- (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 6
- (Exam Topic 1)
A SysOps administrator has created an AWS Service Catalog portfolio and has shared the portfolio with a second AWS account in the company. The second account is controlled by a different administrator.
Which action will the administrator of the second account be able to perform?

A. Add a product from the imported portfolio to a local portfolio.
B. Add new products to the imported portfolio.
C. Change the launch role for the products contained in the imported portfolio.
D. Customize the products in the imported portfolio.

Answer: A

NEW QUESTION 7
- (Exam Topic 1)
A company has an Auto Scaling group of Amazon EC2 instances that scale based on average CPU utilization. The Auto Scaling group events log indicates an InsufficientInstanceCapacity error.
Which actions should a SysOps administrator take to remediate this issue? (Select TWO.

A. Change the instance type that the company is using.
B. Configure the Auto Scaling group in different Availability Zones.
C. Configure the Auto Scaling group to use different Amazon Elastic Block Store (Amazon EBS) volume sizes.
D. Increase the maximum size of the Auto Scaling group.
E. Request an increase in the instance service quota.

Answer: AB

NEW QUESTION 8
- (Exam Topic 1)
A SysOps administrator creates an AWS CloudFormation template to define an application stack that can be deployed in multiple AWS Regions.
The SysOps administrator also creates an Amazon CloudWatch dashboard by using the AWS Management Console. Each deployment of the application requires its own CloudWatch dashboard.
How can the SysOps administrator automate the creation of the CloudWatch dashboard each time the application is deployed?

A. Create a script by using the AWS CLI to run the aws cloudformation put-dashboard command with the name of the dashboar
B. Run the command each time a new CloudFormation stack is created.
C. Export the existing CloudWatch dashboard as JSO
D. Update the CloudFormation template to define an AWS::CloudWatch::Dashboard resourc
E. Include the exported JSON in the resource's DashboardBody property.
F. Update the CloudFormation template to define an resourc
G. Use the intrinsic Ref function to reference the ID of the existing CloudWatch dashboard.
H. Update the CloudFormation template to define an AWS::CloudWatch::Dashboard resourc
I. Specify the name of the existingdashboard in the DashboardName property.

Answer: B

Explanation:
You can only use the Intrinsic Ref function to reference a resource that is being created at the same time as the current CloudFormation template. The question states that the CloudWatch dashboard was previously created using the AWS Management Console, so there is no ID to reference the existing CloudWatch dashboard in the CloudFormation template. You would need to export the existing CloudWatch dashboard as JSON, then use the DashboardBody property in the CloudFormation template to replicate it upon each deployment
(https://docs.aws.amazon.com/AmazonCloudWatch/latest/APIReference/CloudWatch-Dashboard-Body-Structu

NEW QUESTION 9
- (Exam Topic 1)
A SysOps administrator configuring AWS Client VPN to connect use's on a corporate network to AWS resources mat are running in a VPC According to compliance requirements, only traffic that is destined for the VPC can travel across the VPN tunnel.
How should the SysOps administrator configure Client VPN to meet these requirements?

A. Associate the Client VPN endpoint with a private subnet that has an internet route through a NAT gateway.
B. On the Client VPN endpoint, turns on the split-tunnel option.
C. On the Client VPN endpoint, specify DNS server IP addresses

D. Select a private certificate to use as the identity certificate tor the VPN client.

Answer: C

NEW QUESTION 10
- (Exam Topic 1)
A SysOps administrator developed a Python script that uses the AWS SDK to conduct several maintenance tasks. The script needs to run automatically every night.
What is the MOST operationally efficient solution that meets this requirement?

A. Convert the Python script to an AWS Lambda (unctio
B. Use an Amazon EventBridge (Amazon CloudWatch Events) rule to invoke the function every night.
C. Convert the Python script to an AWS Lambda functio
D. Use AWS CloudTrail to invoke the function every night.
E. Deploy the Python script to an Amazon EC2 Instanc
F. Use Amazon EventBridge (Amazon CloudWatch Events) to schedule the instance to start and stop every night.
G. Deploy the Python script to an Amazon EC2 instanc
H. Use AWS Systems Manager to schedule the instance to start and stop every night.

Answer: A

NEW QUESTION 10
- (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 15
- (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 20
- (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 monitoring Enable an action to restart the instance
B. Create a CloudWatch alarm for the EC2 instance with detailed monitoring Enable an action to restart the instance
C. Create an AWS Lambda function to restart the EC2 instance triggered on a scheduled basis every 2 minutes
D. Create a Lambda function to restart the EC2 instance, triggered by EC2 health checks

Answer: B

NEW QUESTION 22
- (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 25
- (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 27
- (Exam Topic 1)
A company has an internal web application that runs on Amazon EC2 instances behind an Application Load Balancer. The instances run in an Amazon EC2 Auto Scaling group in a single Availability Zone. A SysOps administrator must make the application highly available.
Which action should the SysOps administrator take to meet this requirement?

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

Answer: C

Explanation:
"An Auto Scaling group can contain EC2 instances in one or more Availability Zones within the same Region. However, Auto Scaling groups cannot span multiple Regions". As stated in https://docs.aws.amazon.com/autoscaling/ec2/userguide/auto-scaling-benefits.htm

NEW QUESTION 28
- (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 33
- (Exam Topic 1)
A SysOps administrator uses AWS Systems Manager Session Manager to connect to instances After the SysOps administrator launches a new Amazon EC2 instance the EC2 instance does not appear in the Session Manager list of systems that are available for connection. The SysOps administrator verities that Systems Manager Agent is installed updated and running on the EC2 instance
What is the reason for this issue?

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

Answer: C

NEW QUESTION 34
- (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 36
- (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 for each S3 bucke
B. Attach the gateway VPC endpoints to each subnetinside the VPC.
C. Create an interface VPC endpoint for each S3 bucke
D. Attach the interface VPC endpoints to each subnet inside the VPC.
E. Create one gateway VPC endpoint for all the S3 bucket
F. Add the gateway VPC endpoint to the VPC route table.
G. Create one interface VPC endpoint for all the S3 bucket
H. Add the interface VPC endpoint to the VPC route table.

Answer: C

NEW QUESTION 37
- (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 39
- (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 40
- (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 42
- (Exam Topic 1)
A SysOps administrator is optimizing the cost of a workload. The workload is running in multiple AWS Regions and is using AWS Lambda with Amazon EC2 On-Demand Instances for the compute. The overall usage is predictable. The amount of compute that is consumed in each Region varies, depending on the users' locations.
Which approach should the SysOps administrator use to optimize this workload?

A. Purchase Compute Savings Plans based on the usage during the past 30 days
B. Purchase Convertible Reserved Instances by calculating the usage baseline.
C. Purchase EC2 Instance Savings Plane based on the usage during the past 30 days
D. Purchase Standard Reserved Instances by calculating the usage baseline.

Answer: C

NEW QUESTION 46
- (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 51
- (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 53
- (Exam Topic 1)
A company needs to view a list of security groups that are open to the internet on port 3389. What should a SysOps administrator do to meet this requirement?

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

Answer: D

NEW QUESTION 54
- (Exam Topic 1)
A company hosts a web application on an Amazon EC2 instance in a production VPC. Client connections to the application are failing. A SysOps administrator inspects the VPC flow logs and finds the following entry:
2 111122223333 eni-<###> 192.0.2.15 203.0.113.56 40711 443 6 1 40 1418530010 1418530070 REJECT OK
What is a possible cause of these failed connections?

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

Answer: A

Explanation:
https://docs.aws.amazon.com/vpc/latest/userguide/flow-logs-records-examples.html#flow-log-example-accepted

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

NEW QUESTION 58
- (Exam Topic 1)
A SysOps administrator needs to design a high-traffic static website. The website must be highly available and must provide the lowest possible latency to users across the globe.
Which solution will meet these requirements?

A. Create an Amazon S3 bucket, and upload the website content to the S3 bucke
B. Create an Amazon CloudFront distribution in each AWS Region, and set the S3 bucket as the origi
C. Use Amazon Route 53 to create a DNS record that uses a geolocation routing policy to route traffic to the correct CloudFront distribution based on where the request originates.
D. Create an Amazon S3 bucket, and upload the website content to the S3 bucke
E. Create an Amazon CloudFront distribution, and set the S3 bucket as the origi
F. Use Amazon Route 53 to create an alias record that points to the CloudFront distribution.
G. Create an Application Load Balancer (ALB) and a target grou
H. Create an Amazon EC2 Auto Scaling group with at least two EC2 instances in the associated target grou
I. Store the website content on the EC2 instance
J. Use Amazon Route 53 to create an alias record that points to the ALB.
K. Create an Application Load Balancer (ALB) and a target group in two Region
L. Create an Amazon EC2 Auto Scaling group in each Region with at least two EC2 instances in each target grou
M. Store the website content on the EC2 instance
N. Use Amazon Route 53 to create a DNS record that uses a geolocation routing policy to route traffic to the correct ALB based on where the request originates.

Answer: B

NEW QUESTION 63
- (Exam Topic 1)
A company has an initiative to reduce costs associated with Amazon EC2 and AWS Lambda. Which action should a SysOps administrator take to meet these requirements?

A. Analyze the AWS Cost and Usage Report by using Amazon Athena to identity cost savings.
B. Create an AWS Budgets alert to alarm when account spend reaches 80% of the budget.
C. Purchase Reserved Instances through the Amazon EC2 console.
D. Use AWS Compute Optimizer and take action on the provided recommendations.

Answer: D

NEW QUESTION 68
- (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 69
- (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 70
- (Exam Topic 1)
A SysOps administrator created an AWS Cloud Formation template that provisions Amazon EC2 instances, an Elastic Load Balancer (ELB), and an Amazon RDS DB instance. During stack creation, the creation of the EC2 instances and the creation of the ELB are successful. However, the creation of the DB instance fails.
What is the default behavior of CloudFormation in this scenario?

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

Answer: C

NEW QUESTION 71
- (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 74
- (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 76
- (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 81
- (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 85
- (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 86
- (Exam Topic 1)
A company hosts its website in the us-east-1 Region. The company is preparing to deploy its website into the eu-central-1 Region. Website visitors who are located in Europe should access the website that is hosted in eu-central-1. All other visitors access the website that is hosted in us-east-1. The company uses Amazon Route 53 to manage the website's DNS records.
Which routing policy should a SysOps administrator apply to the Route 53 record set to meet these requirements?

A. Geolocation routing policy
B. Geoproximity routing policy
C. Latency routing policy
D. Multivalue answer routing policy

Answer: A

Explanation:
geolocation "Geolocation routing lets you choose the resources that serve your traffic based on the geographic location of your users, meaning the location that DNS queries originate from. For example, you might want all queries from Europe to be routed to an ELB load balancer in the Frankfurt region."
Could be confused with geoproximity - "Geoproximity routing lets Amazon Route 53 route traffic to your resources based on the geographic location of your users and your resources. You can also optionally choose to route more traffic or less to a given resource by specifying a value, known as a bias. A bias expands or shrinks the size of the geographic region from which traffic is routed to a resource" the use case is not needed as per question.
https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/routing-policy.html

NEW QUESTION 87
- (Exam Topic 1)
A company updates its security policy to clarify cloud hosting arrangements for regulated workloads. Workloads that are identified as sensitive must run on hardware that is not shared with other customers or with other AWS accounts within the company.
Which solution will ensure compliance with this policy?

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

Answer: A

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

NEW QUESTION 91
- (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 92
- (Exam Topic 1)
A SysOps Administrator is managing a web application that runs on Amazon EC2 instances behind an Application Load Balancer (ALB). The instances run in an EC2 Auto Scaling group. The administrator wants to set an alarm for when all target instances associated with the ALB are unhealthy.
Which condition should be used with the alarm?

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

Answer: A

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

NEW QUESTION 97
- (Exam Topic 1)
A data storage company provides a service that gives users the ability to upload and download files as needed. The files are stored in Amazon S3 Standard and must be immediately retrievable for 1 year. Users access files frequently during the first 30 days after the files are stored. Users rarely access files after 30 days. The company's SysOps administrator must use S3 Lifecycle policies to implement a solution that maintains object availability and minimizes cost.
Which solution will meet these requirements?

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

Answer: C

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

NEW QUESTION 100
- (Exam Topic 1)
A compliance team requires all administrator passwords tor Amazon RDS DB instances to be changed at toast annually
Which solution meets this requirement in the MOST operationally efficient manned

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

Answer: A

NEW QUESTION 103
- (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 106
- (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 110
- (Exam Topic 1)
A company needs to automatically monitor an AWS account for potential unauthorized AWS Management Console logins from multiple geographic locations.
Which solution will meet this requirement?

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

Answer: D

NEW QUESTION 115
- (Exam Topic 1)
A company is running an application on a fleet of Amazon EC2 instances behind an Application Load Balancer (ALB). The EC2 instances are launched by an Auto Scaling group and are automatically registered in a target group. A SysOps administrator must set up a notification to alert application owners when targets fail health checks.
What should the SysOps administrator do to meet these requirements?

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

Answer: A

NEW QUESTION 118
- (Exam Topic 1)
A company has an application that runs only on Amazon EC2 Spot Instances. The instances run in an Amazon EC2 Auto Scaling group with scheduled scaling actions.
However, the capacity does not always increase at the scheduled times, and instances terminate many times a day. A Sysops administrator must ensure that the instances launch on time and have fewer interruptions.
Which action will meet these requirements?

A. Specify the capacity-optimized allocation strategy for Spot Instance
B. Add more instance types to the Auto Scaling group.
C. Specify the capacity-optimized allocation strategy for Spot Instance
D. Increase the size of the instances in the Auto Scaling group.
E. Specify the lowest-price allocation strategy for Spot Instance
F. Add more instance types to the Auto Scaling group.
G. Specify the lowest-price allocation strategy for Spot Instance
H. Increase the size of the instances in the Auto Scaling group.

Answer: A

Explanation:
Specifying the capacity-optimized allocation strategy for Spot Instances and adding more instance types to the Auto Scaling group is the best action to meet the requirements. Increasing the size of the instances in the Auto Scaling group will not necessarily help with the launch time or reduce interruptions, as the Spot Instances could still be interrupted even with larger instance sizes.

NEW QUESTION 121
- (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 123
- (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 125
- (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 127
- (Exam Topic 1)
A company has an Amazon CloudFront distribution that uses an Amazon S3 bucket as its origin. During a review of the access logs, the company determines that some requests are going directly to the S3 bucket by using the website hosting endpoint. A SysOps administrator must secure the S3 bucket to allow requests only from CloudFront.
What should the SysOps administrator do to meet this requirement?

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

Answer: A

NEW QUESTION 128
- (Exam Topic 1)
A SysOps administrator needs to track the costs of data transfer between AWS Regions. The SysOps administrator must implement a solution to send alerts to an email distribution list when transfer costs reach 75% of a specific threshold.
What should the SysOps administrator do to meet these requirements?

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

Answer: B

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

NEW QUESTION 133
- (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 135
- (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 137
- (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 140
- (Exam Topic 1)
A company uses an Amazon CloudFront distribution to deliver its website. Traffic logs for the website must be centrally stored, and all data must be encrypted at rest.
Which solution will meet these requirements?

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

Answer: C

NEW QUESTION 142
- (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 144

- (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 145
- (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 146
- (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 148
- (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 151
- (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 154
- (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 157
- (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 162
- (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 166
- (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 169
- (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 172
- (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 175
- (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 180
- (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 185
- (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 187
- (Exam Topic 1)
A company is using an AWS KMS customer master key (CMK) with imported key material The company references the CMK by its alias in the Java application to encrypt data The CMK must be rotated every 6 months
What is the process to rotate the key?

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

Answer: B

NEW QUESTION 189
- (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 190
- (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 195
- (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 199
- (Exam Topic 1)
A company hosts an internal application on Amazon EC2 instances. All application data and requests route through an AWS Site-to-Site VPN connection between the on-premises network and AWS. The company must monitor the application for changes that allow network access outside of the corporate network. Any change that exposes the application externally must be restricted automatically.
Which solution meets these requirements in the MOST operationally efficient manner?

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

Answer: C

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

NEW QUESTION 200
- (Exam Topic 1)
A company is creating a new multi-account architecture. A Sysops administrator must implement a login solution to centrally manage user access and permissions across all AWS accounts. The solution must be integrated with AWS Organizations and must be connected to a third-party Security Assertion Markup Language (SAML) 2.0 identity provider (IdP).
What should the SysOps administrator do to meet these requirements?

A. Configure an Amazon Cognito user poo
B. Integrate the user pool with the third-party IdP.
C. Enable and configure AWS Single Sign-On with the third-party IdP.
D. Federate the third-party IdP with AWS Identity and Access Management (IAM) for each AWS account in the organization.
E. Integrate the third-party IdP directly with AWS Organizations.

Answer: A

NEW QUESTION 203
- (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 207
- (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 211
- (Exam Topic 1)
A company wants to archive sensitive data on Amazon S3 Glacier. The company's regulatory and compliance requirements do not allow any modifications to the data by any account.
Which solution meets these requirements?

A. Attach a vault lock policy to an S3 Glacier vault that contains the archived dat
B. Use the lock ID to validate the vault lock policy after 24 hours.
C. Attach a vault lock policy to an S3 Glacier vault that contains the archived dat
D. Use the lock ID to validate the vault lock policy within 24 hours.
E. Configure S3 Object Lock in governance mod
F. Upload all files after 24 hours.
G. Configure S3 Object Lock in governance mod
H. Upload all files within 24 hours.

Answer: B

NEW QUESTION 213
- (Exam Topic 1)
A company plans to launch a static website on its domain example com and subdomain www example.com using Amazon S3. How should the SysOps administrator meet this requirement?

A. Create one S3 bucket named example.com for both the domain and subdomain.
B. Create one S3 bucket with a wildcard named '.example.com tor both the domain and subdomain.
C. Create two S3 buckets named example.com and www.exdmpte.co
D. Configure the subdomain bucket to redirect requests to the domain bucket.
E. Create two S3 buckets named http//example.com and http//'' exampte.co
F. Configure the wildcard (') bucket to redirect requests to the domain bucket.

Answer: C

NEW QUESTION 217
- (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 221
- (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 223
- (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 224
- (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 228
- (Exam Topic 1)
A company has launched a social media website that gives users the ability to upload images directly to a centralized Amazon S3 bucket. The website is popular in areas that are geographically distant from the AWS Region where the S3 bucket is located. Users are reporting that uploads are slow. A SysOps administrator must improve the upload speed.
What should the SysOps administrator do to meet these requirements?

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

Answer: C

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

NEW QUESTION 230
- (Exam Topic 1)
A SysOps administrator must configure a resilient tier of Amazon EC2 instances for a high performance computing (HPC) application. The HPC application requires minimum latency between nodes
Which actions should the SysOps administrator take to meet these requirements? (Select TWO.)

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

Answer: AD

NEW QUESTION 234
- (Exam Topic 1)
An application runs on multiple Amazon EC2 instances in an Auto Scaling group The Auto Scaling group is
configured to use the latest version of a launch template A SysOps administrator must devise a solution that centrally manages the application logs and retains the logs for no more than 90 days
Which solution will meet these requirements?

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

Answer: C

NEW QUESTION 236
- (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 241
- (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 243
- (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 248
- (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 251
- (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 its 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 253
- (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 254
- (Exam Topic 1)
An ecommerce company uses an Amazon ElastiCache for Memcached cluster for in-memory caching of popular product queries on the shopping site. When viewing recent Amazon CloudWatch metrics data for the ElastiCache cluster, the SysOps administrator notices a large number of evictions.
Which of the following actions will reduce these evictions? (Choose two.)

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

Answer: AC

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

NEW QUESTION 256
- (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 260
- (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 263
- (Exam Topic 1)
An organization is running multiple applications for their customers. Each application is deployed by running a base AWS CloudFormation template that configures a new VPC. All applications are run in the same AWS account and AWS Region. A SysOps administrator has noticed that when trying to deploy the same AWS CloudFormation stack, it fails to deploy. What is likely to be the problem?

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

Answer: D

NEW QUESTION 268
- (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 269
- (Exam Topic 1)
A user working in the Amazon EC2 console increased the size of an Amazon Elastic Block Store (Amazon EBS) volume attached to an Amazon EC2 Windows instance. The change is not reflected in the file system.
What should a SysOps administrator do to resolve this issue?

A. Extend the file system with operating system-level tools to use the new storage capacity.
B. Reattach the EBS volume to the EC2 instance.
C. Reboot the EC2 instance that is attached to the EBS volume.
D. Take a snapshot of the EBS volum
E. Replace the original volume with a volume that is created from the snapshot.

Answer: B

NEW QUESTION 270

- (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 273
- (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 277
- (Exam Topic 1)
A company recently acquired another corporation and all of that corporation's AWS accounts. A financial analyst needs the cost data from these accounts. A SysOps administrator uses Cost Explorer to generate cost and usage reports. The SysOps administrator notices that "No Tagkey" represents 20% of the monthly cost.
What should the SysOps administrator do to tag the "No Tagkey" resources?

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

Answer: D

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

NEW QUESTION 278
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