Amazon

Exam Questions AWS-SysOps

Amazon AWS Certified SysOps Administrator - Associate

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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:
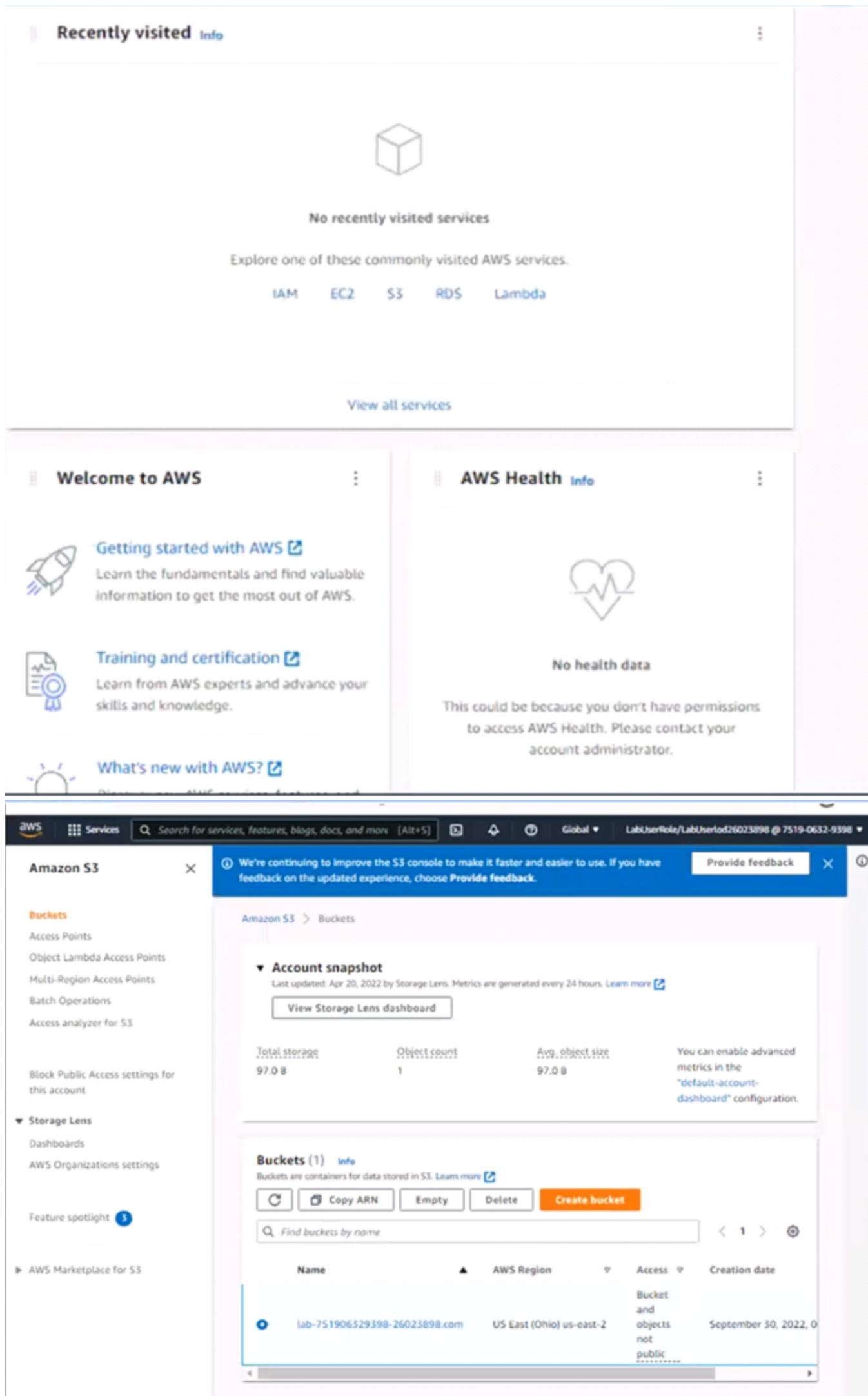
➤ https://aws.amazon.com/s3/

➤ https://aws.amazon.com/route53/

➤ https://aws.amazon.com/cloudwatch/

Graphical user interface, text, application Description automatically generated
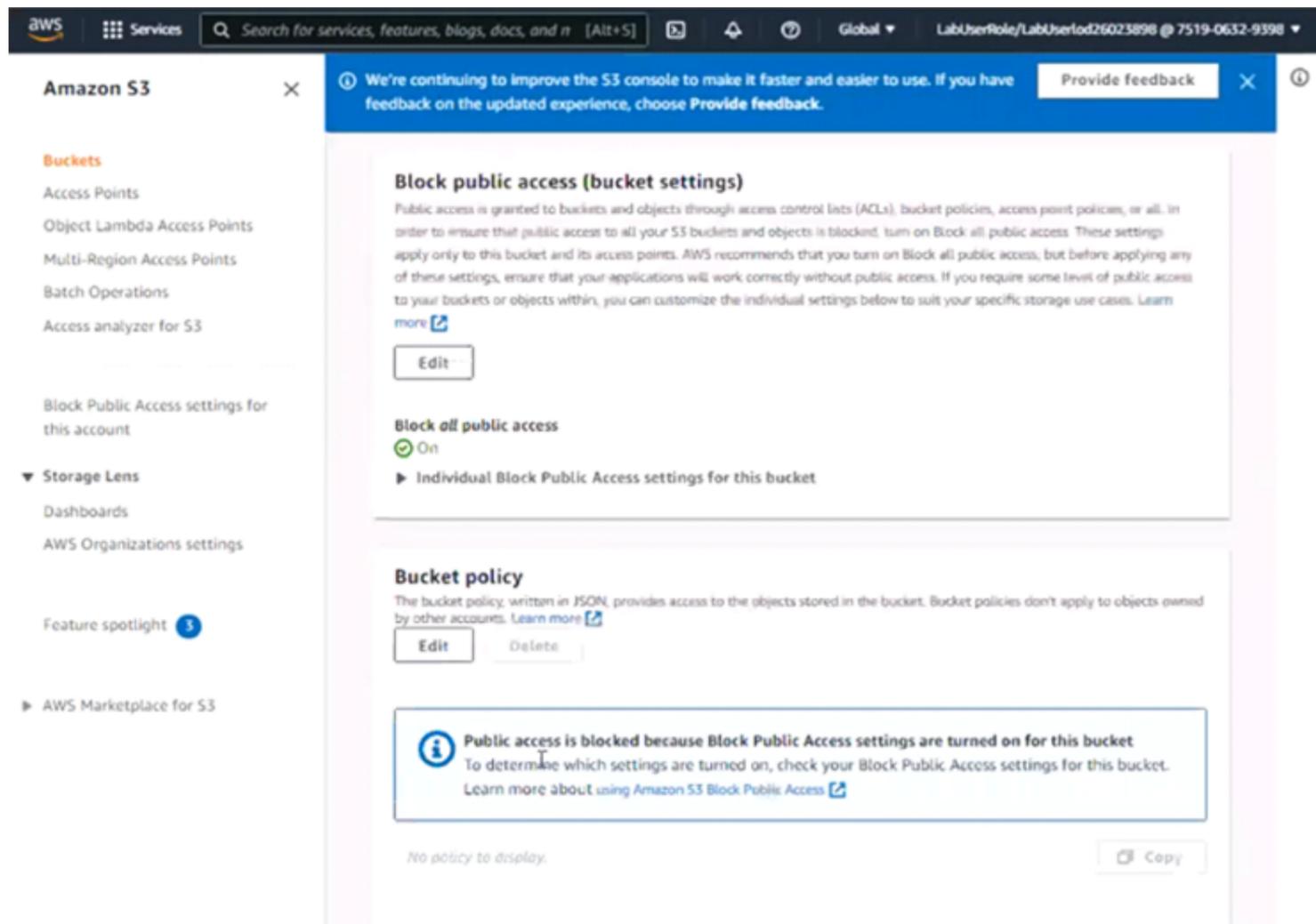
Graphical user interface, application, Teams Description automatically generated
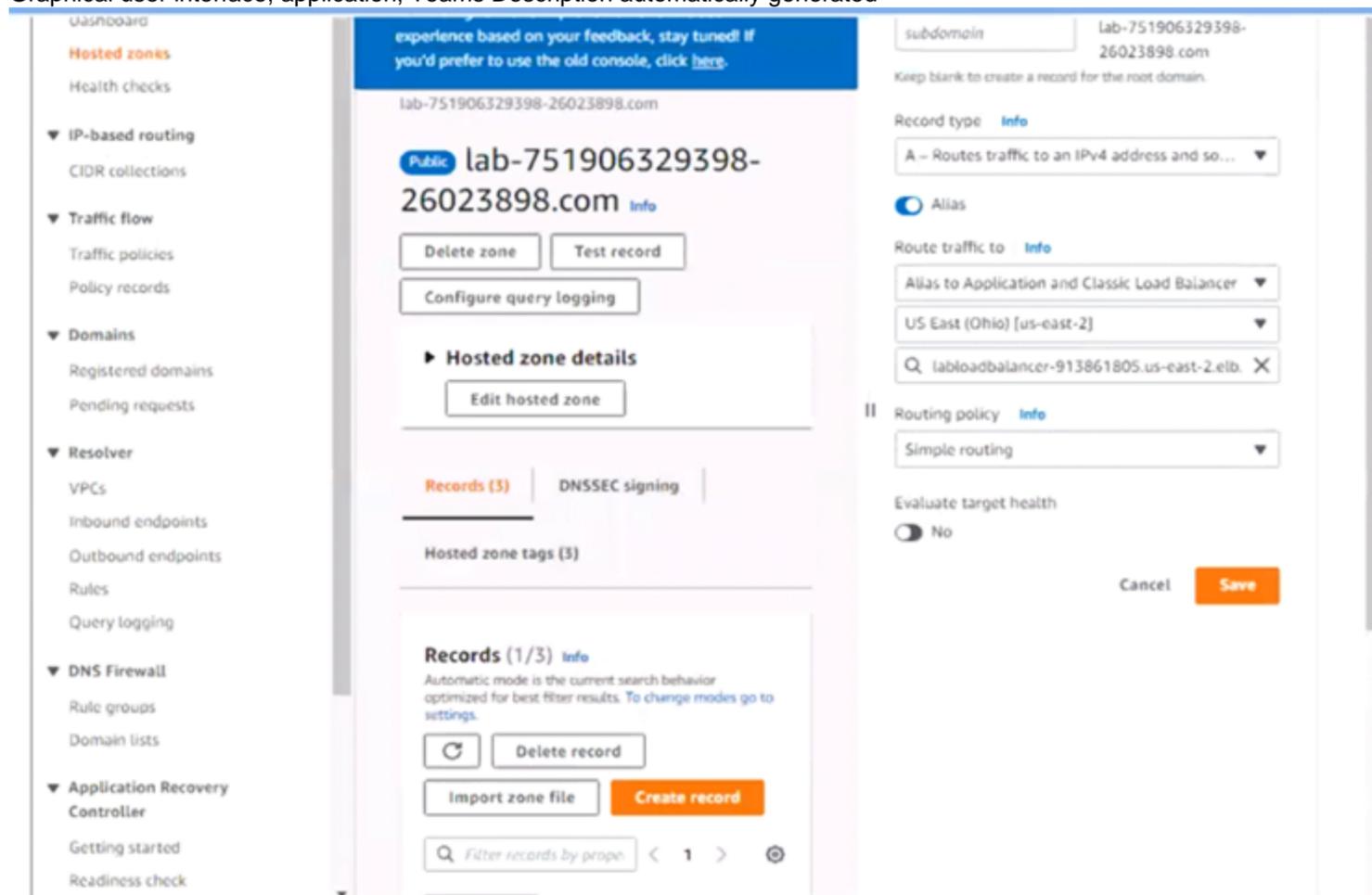
Graphical user interface, text, application Description automatically generated
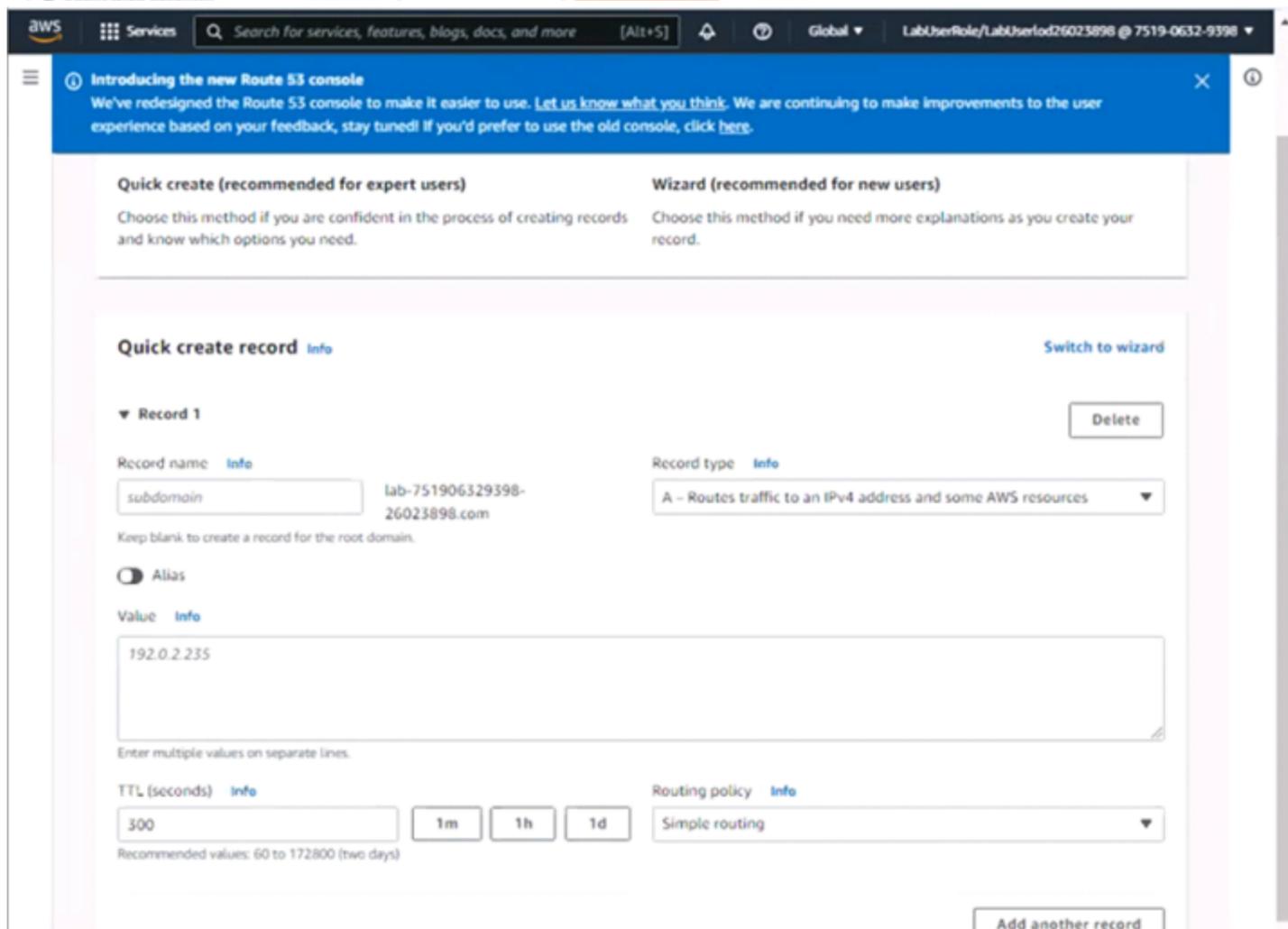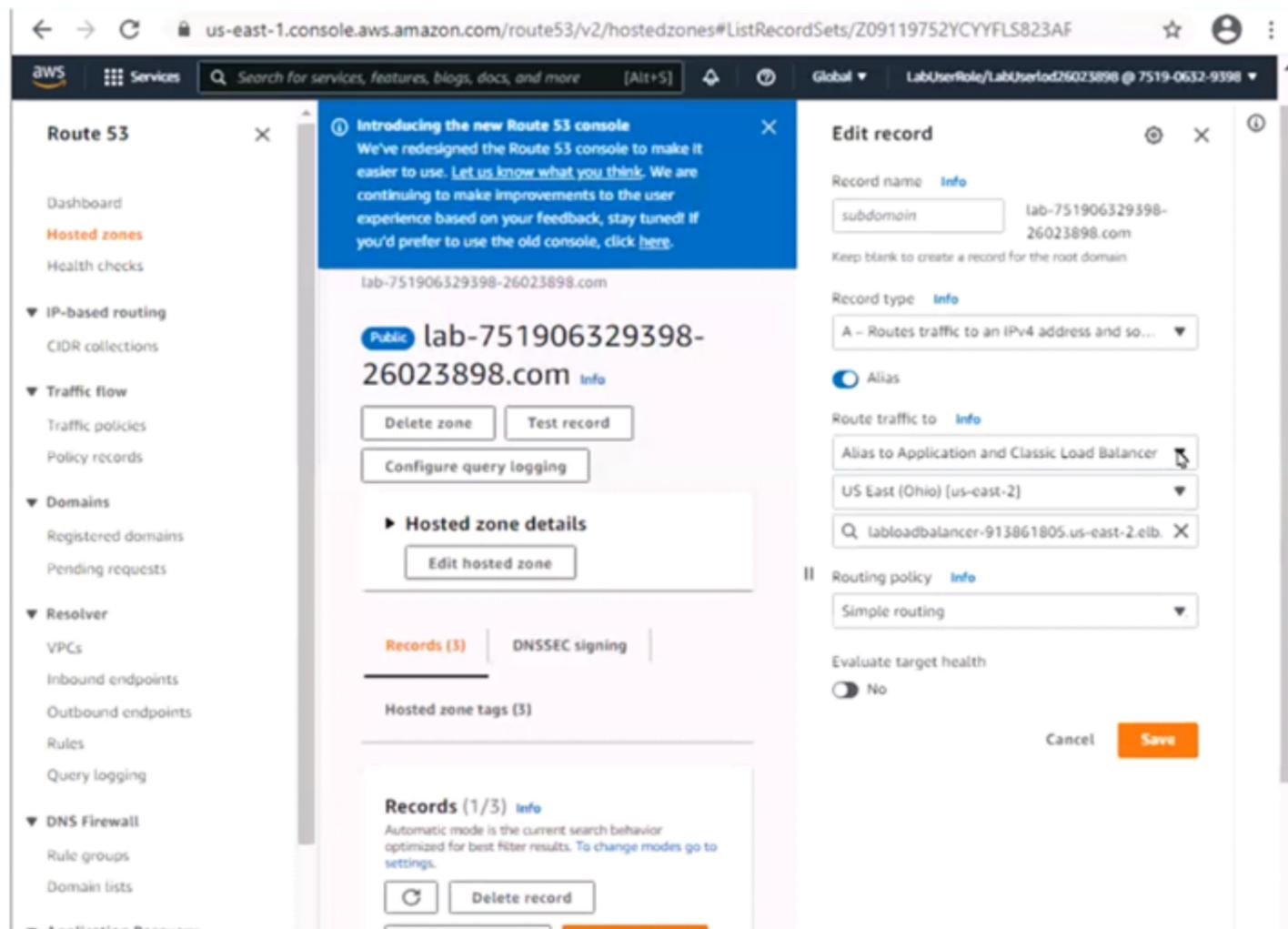
Graphical user interface, text, application, email Description automatically generated

Graphical user interface, text, application Description automatically generated

Route 53 > Hosted zones > lab-751906329398-26023898.com > Create record

▼ **Record creation method**

When you create records that have
a routing policy other than simple,
enter a value that uniquely
identifies each record that has the
same name and type. For example,
you might assign a date/time
stamp or a sequential counter.

Quick create (recommended for expert users)

Choose this method if you are confident in the
process of creating records and know which options
you need.

Wizard (recommended for new users)

Choose this method if you need more explanations as
you create your record.

Learn more ↗

Working with records

Quick create record Info   Switch to wizard

▼ Record 1   Delete

Record name Info
subdomain lab-751906329398-
26023898.com
Keep blank to create a record for the root domain.

Record type Info
A – Routes traffic to an IPv4 address and som... ▼

Alias

Route traffic to Info
Alias to another record in this hosted zone ▼

US East (N. Virginia) ▼

An alias to a CloudFront distribution and another record in the same hosted zone are global and available only in US East (N.
Virginia).

lab-751906329398-26023898.com. ✕

Alias hosted zone ID: Z09119752YCYYFLS823AF

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aws Services Search for services, features, blogs, docs, and more [Alt+S] Global ▼ LabUserRole/LabUserIod26023898 @ 7519-0632-9398 ▼

Route 53 > Hosted zones > lab-751906329398-26023898.com > Create record

Quick create record Info   Switch to wizard

▼ Record 1   Delete

Record name Info
subdomain lab-751906329398-26023898.com
Keep blank to create a record for the root domain.

Record type Info
A – Routes traffic to an IPv4 address and some AWS resources ▼

Alias

Route traffic to Info
Alias to Application and Classic Load Balancer ▼

US East (Ohio) [us-east-2] ▼

dualstack.LabLoadBalancer-913861805.us-east-2.elb.amazonaws.com ✕

Alias hosted zone ID: Z3AADJGX6KTTL2

Routing policy Info
Failover ▼

Failover record type
Secondary ▼

Health check ID - optional Info
f34f14a2-fe96-4fe0-8793-6e26cec223aa ✕ ↻

Evaluate target health
Yes

Record ID Info
sec

Add another record

NEW QUESTION 2
- (Exam Topic 1)
A SysOps administrator needs to give users the ability to upload objects to an Amazon S3 bucket. The SysOps administrator creates a presigned URL and
provides the URL to a user, but the user cannot upload an object to the S3 bucket. The presigned URL has not expired, and no bucket policy is applied to the S3
bucket.
Which of the following could be the cause of this problem?

A. The user has not properly configured the AWS CLI with their access key and secret access key.
B. The SysOps administrator does not have the necessary permissions to upload the object to the S3 bucket.
C. The SysOps administrator must apply a bucket policy to the S3 bucket to allow the user to upload the object.
D. The object already has been uploaded through the use of the presigned URL, so the presigned URL is no longer valid.

Answer: B

NEW QUESTION 3
- (Exam Topic 1)
A SysOps administrator is deploying an application on 10 Amazon EC2 instances. The application must be highly available. The instances must be placed on distinct underlying hardware.
What should the SysOps administrator do to meet these requirements?

A. Launch the instances into a cluster placement group in a single AWS Region.
B. Launch the instances into a partition placement group in multiple AWS Regions.
C. Launch the instances into a spread placement group in multiple AWS Regions.
D. Launch the instances into a spread placement group in single AWS Region

Answer: D

Explanation:
https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/placement-groups.html

NEW QUESTION 4
- (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 5
- (Exam Topic 1)
A company hosts a website on multiple Amazon EC2 instances that run in an Auto Scaling group. Users are reporting slow responses during peak times between 6 PM and 11 PM every weekend. A SysOps administrator must implement a solution to improve performance during these peak times.
What is the MOST operationally efficient solution that meets these requirements?

A. Create a scheduled Amazon EventBridge (Amazon CloudWatch Events) rule to invoke an AWS Lambda function to increase the desired capacity before peak times.
B. Configure a scheduled scaling action with a recurrence option to change the desired capacity before and after peak times.
C. Create a target tracking scaling policy to add more instances when memory utilization is above 70%.
D. Configure the cooldown period for the Auto Scaling group to modify desired capacity before and after peak times.

Answer: B

Explanation:
"Scheduled scaling helps you to set up your own scaling schedule according to predictable load changes. For example, let's say that every week the traffic to your web application starts to increase on Wednesday, remains high on Thursday, and starts to decrease on Friday. You can configure a schedule for Amazon EC2 Auto Scaling to increase capacity on Wednesday and decrease capacity on Friday." https://docs.aws.amazon.com/autoscaling/ec2/userguide/schedule_time.html

NEW QUESTION 6
- (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 7
- (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 8
- (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 9
- (Exam Topic 1)
A company has a compliance requirement that no security groups can allow SSH ports to be open to all IP addresses. A SysOps administrator must implement a solution that will notify the company's SysOps team when a security group rule violates this requirement. The solution also must remediate the security group rule automatically.
Which solution will meet these requirements?

A. Create an Amazon EventBridge (Amazon CloudWatch Events) rule that invokes an AWS Lambda function when a security group change
B. Configure the Lambda function to evaluate the security group for compliance, remove all inbound security group rules on all ports, and notify the SysOps team if the security group is noncompliant.
C. Create an AWS CloudTrail metric filter for security group change
D. Create an Amazon CloudWatch alarm to notify the SysOps team through an Amazon Simple Notification Service (Amazon SNS) topic when (he metric is greater than 0. Subscribe an AWS Lambda function to the SNS topic to remediate the security group rule by removing the rule.
E. Activate the AWS Config restricted-ssh managed rul
F. Add automatic remediation to the AWS Config rule by using the AWS Systems Manager Automation AWS DisablePublicAccessForSecurityGroup runboo
G. Create an Amazon EventBridge (Amazon CloudWatch Events) rule to notify the SysOps team when the rule is noncompliant.
H. Create an AWS CloudTrail metric filter for security group change
I. Create an Amazon CloudWatch alarm for when the metric is greater than 0. Add an AWS Systems Manager action to the CloudWatch alarm to suspend the security group by using the Systems Manager Automation AWS-DisablePublicAccessForSecurityGroup runbook when the alarm is in ALARM stat
J. Add an Amazon Simple Notification Service (Amazon SNS) topic as a second target to notify the SysOps team.

Answer: C

NEW QUESTION 10
- (Exam Topic 1)
A company has an application that is deployed 10 two AWS Regions in an active-passive configuration. The application runs on Amazon EC2 instances behind an Application Load Balancer (ALB) in each Region. The instances are in an Amazon EC2 Auto Scaling group in each Region. The application uses an Amazon Route 53 hosted zone (or DNS. A SysOps administrator needs to configure automatic failover to the secondary Region.
What should the SysOps administrator do to meet these requirements?

A. Configure Route 53 alias records that point to each AL
B. Choose a failover routing polic
C. Set Evaluate Target Health to Yes.
D. Configure CNAME records that point to each AL
E. Choose a failover routing polic
F. Set Evaluate Target Health to Yes.
G. Configure Elastic Load Balancing (ELB) health checks for the Auto Scaling grou
H. Add a target group to the ALB in the primary Regio
I. Include the EC2 instances in the secondary Region astargets.
J. Configure EC2 health checks for the Auto Scaling grou
K. Add a target group to the ALB in the primary Regio
L. Include the EC2 instances in the secondary Region as targets.

Answer: A

NEW QUESTION 10
- (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 15
- (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 16
- (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 17
- (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 19
- (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 23
- (Exam Topic 1)
A software development company has multiple developers who work on the same product. Each developer must have their own development environment, and these development environments must be identical. Each development environment consists of Amazon EC2 instances and an Amazon RDS DB instance. The development environments should be created only when necessary, and they must be terminated each night to minimize costs.
What is the MOST operationally efficient solution that meets these requirements?

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

Answer: B

NEW QUESTION 25
- (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 29
- (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 34
- (Exam Topic 1)
A company has a stateful web application that is hosted on Amazon EC2 instances in an Auto Scaling group. The instances run behind an Application Load Balancer (ALB) that has a single target group. The ALB is configured as the origin in an Amazon CloudFront distribution. Users are reporting random logouts from the web application.
Which combination of actions should a SysOps administrator take to resolve this problem? (Select TWO.)

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

Answer: BE

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

NEW QUESTION 38
- (Exam Topic 1)
An AWS Lambda function is intermittently failing several times a day A SysOps administrator must find out how often this error has occurred in the last 7 days
Which action will meet this requirement in the MOST operationally efficient manner?

A. Use Amazon Athena to query the Amazon CloudWatch logs that are associated with the Lambda function
B. Use Amazon Athena to query the AWS CloudTrail logs that are associated with the Lambda function
C. Use Amazon CloudWatch Logs Insights to query the associated Lambda function logs
D. Use Amazon Elasticsearch Service (Amazon ES) to stream the Amazon CloudWatch logs for the Lambda function

Answer: C

NEW QUESTION 42
- (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 47
- (Exam Topic 1)
A company's VPC has connectivity to an on-premises data center through an AWS Site-to-Site VPN. The company needs Amazon EC2 instances in the VPC to send DNS queries for example com to the DNS servers in the data center.
Which solution will meet these requirements?

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

Answer: C

NEW QUESTION 51
- (Exam Topic 1)
A company uses an Amazon Elastic File System (Amazon EFS) file system to share files across many Linux Amazon EC2 instances. A SysOps administrator notices that the file system's PercentIOLimit metric is consistently at 100% for 15 minutes or longer. The SysOps administrator also notices that the application that reads and writes to that file system is performing poorly. They application requires high throughput and IOPS while accessing the file system.
What should the SysOps administrator do to remediate the consistently high PercentIOLimit metric?

A. Create a new EFS file system that uses Max I/O performance mod
B. Use AWS DataSync to migrate data to the new EFS file system.
C. Create an EFS lifecycle policy to transition future files to the Infrequent Access (IA) storage class to improve performanc
D. Use AWS DataSync to migrate existing data to IA storage.
E. Modify the existing EFS file system and activate Max I/O performance mode.
F. Modify the existing EFS file system and activate Provisioned Throughput mode.

Answer: A

Explanation:
To support a wide variety of cloud storage workloads, Amazon EFS offers two performance modes, General Purpose mode and Max I/O mode. You choose a file system's performance mode when you create it, and it cannot be changed. If the PercentIOLimit percentage returned was at or near 100 percent for a significant amount of time during the test, your application should use the Max I/O performance mode. https://docs.aws.amazon.com/efs/latest/ug/performance.html

NEW QUESTION 52
- (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 56
- (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 60
- (Exam Topic 1)
A company runs an application on Amazon EC2 instances. The EC2 instances are in an Auto Scaling group and run behind an Application Load Balancer (ALB). The application experiences errors when total requests exceed 100 requests per second. A SysOps administrator must collect information about total requests for

a 2-week period to determine when requests exceeded this threshold.
What should the SysOps administrator do to collect this data?

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

Answer: A

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

NEW QUESTION 61
- (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 64
- (Exam Topic 1)
An environment consists of 100 Amazon EC2 Windows instances The Amazon CloudWatch agent Is deployed and running on at EC2 instances with a baseline configuration file to capture log files There is a new requirement to capture the DHCP tog tiles that exist on 50 of the instances
What is the MOST operational efficient way to meet this new requirement?

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

Answer: A

NEW QUESTION 65
- (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 70
- (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 75
- (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 78
- (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 81
- (Exam Topic 1)
A company needs to ensure strict adherence to a budget for 25 applications deployed on AWS Separate teams are responsible for storage compute, and database costs. A SysOps administrator must implement an automated solution to alert each team when their projected spend will exceed a quarterly amount mat has been set by the finance department. The solution cannot additional compute, storage, or database costs.

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

Answer: D

NEW QUESTION 84
- (Exam Topic 1)
A SysOps administrator is evaluating Amazon Route 53 DNS options to address concerns about high availability for an on-premises website. The website consists of two servers: a primary active server and a secondary passive server. Route 53 should route traffic to the primary server if the associated health check returns 2xx or 3xx HTTP codes. All other traffic should be directed to the secondary passive server. The failover record type, set ID. and routing policy have been set appropriately for both primary and secondary servers.
Which next step should be taken to configure Route 53?

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

Answer: A

NEW QUESTION 88
- (Exam Topic 1)
A company needs to create a daily Amazon Machine Image (AMI) of an existing Amazon Linux EC2 instance that hosts the operating system, application, and database on multiple attached Amazon Elastic Block Store (Amazon EBS) volumes. File system integrity must be maintained.
Which solution will meet these requirements?

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

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

Answer: B

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

NEW QUESTION 93
- (Exam Topic 1)
A SysOps administrator must ensure that a company's Amazon EC2 instances auto scale as expected The SysOps administrator configures an Amazon EC2 Auto Scaling Lifecycle hook to send an event to Amazon EventBridge (Amazon CloudWatch Events), which then invokes an AWS Lambda function to configure the EC2 distances When the configuration is complete, the Lambda function calls the complete Lifecycle-action event to put the EC2 instances into service. In testing, the SysOps administrator discovers that the Lambda function is not invoked when the EC2 instances auto scale.
What should the SysOps administrator do to reserve this issue?

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

Answer: D

NEW QUESTION 98
- (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 99
- (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 103
- (Exam Topic 1)
A company's customers are reporting increased latency while accessing static web content from Amazon S3 A SysOps administrator observed a very high rate of read operations on a particular S3 bucket
What will minimize latency by reducing load on the S3 bucket?

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

Answer: C

NEW QUESTION 107
- (Exam Topic 1)
A company uses Amazon Elasticsearch Service (Amazon ES) to analyze sales and customer usage data. Members of the company's geographically dispersed sales team are traveling. They need to log in to Kibana by using their existing corporate credentials that are stored in Active Directory. The company has deployed Active Directory Federation Services (AD FS) to enable authentication to cloud services. Which solution will meet these requirements?

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

Answer: B

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

NEW QUESTION 112
- (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 113
- (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 116
- (Exam Topic 1)
A SysOps administrator has launched a large general purpose Amazon EC2 instance to regularly process large data files. The instance has an attached 1 TB General Purpose SSD (gp2) Amazon Elastic Block Store (Amazon EBS) volume. The instance also is EBS-optimized. To save costs, the SysOps administrator stops the instance each evening and restarts the instance each morning.
When data processing is active, Amazon CloudWatch metrics on the instance show a consistent 3.000 VolumeReadOps. The SysOps administrator must improve the I/O performance while ensuring data integrity.
Which action will meet these requirements?

A. Change the instance type to a large, burstable, general purpose instance.
B. Change the instance type to an extra large general purpose instance.
C. Increase the EBS volume to a 2 TB General Purpose SSD (gp2) volume.
D. Move the data that resides on the EBS volume to the instance store.

Answer: C

NEW QUESTION 121
- (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 122
- (Exam Topic 1)
A company runs a web application on three Amazon EC2 instances behind an Application Load Balancer (ALB). The company notices that random periods of increased traffic cause a degradation in the application's performance. A SysOps administrator must scale the application to meet the increased traffic. Which solution meets these requirements?

A. Create an Amazon CloudWatch alarm to monitor application latency and increase the size of each EC2 instance if the desired threshold is reached.
B. Create an Amazon EventBridge (Amazon CloudWatch Events) rule to monitor application latency and add an EC2 instance to the ALB if the desired threshold is reached.
C. Deploy the application to an Auto Scaling group of EC2 instances with a target tracking scaling policy.Attach the ALB to the Auto Scaling group.
D. Deploy the application to an Auto Scaling group of EC2 instances with a scheduled scaling policy.Attach the ALB to the Auto Scaling group.

Answer: C

NEW QUESTION 123
- (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 125
- (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 126

- (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 129
- (Exam Topic 1)
A company is releasing a new static website hosted on Amazon S3. The static website hosting feature was enabled on the bucket and content was uploaded:
however, upon navigating to the site, the following error message is received:
403 Forbidden - Access Denied
What change should be made to fix this error?

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

Answer: B

NEW QUESTION 134
- (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 135
- (Exam Topic 1)
Application A runs on Amazon EC2 instances behind a Network Load Balancer (NLB). The EC2 instances are in an Auto Scaling group and are in the same subnet that is associated with the NLB. Other applications from an on-premises environment cannot communicate with Application A on port 8080.
To troubleshoot the issue, a SysOps administrator analyzes the flow logs. The flow logs include the following records:

```
2 123456789010 eni-1235b8ca123456789 192.168.0.13 172.31.16.139 59003 8080 1 4 336 1432917027 1432917142 ACCEPT OK
2 123456789010 eni-1235b8ca123456789 172.31.16.139 192.168.0.13 8080 59003 1 4 336 1432917094 1432917142 REJECT OK
```

What is the reason for the rejected traffic?

A. The security group of the EC2 instances has no Allow rule for the traffic from the NLB.
B. The security group of the NLB has no Allow rule for the traffic from the on-premises environment.
C. The ACL of the on-premises environment does not allow traffic to the AWS environment.
D. The network ACL that is associated with the subnet does not allow outbound traffic for the ephemeral port range.

Answer: A

NEW QUESTION 139
- (Exam Topic 1)
A company requires that all IAM user accounts that have not been used for 90 days or more must have their access keys and passwords immediately disabled A SysOps administrator must automate the process of disabling unused keys using the MOST operationally efficient method.
How should the SysOps administrator implement this solution?

A. Create an AWS Step Functions workflow to identify IAM users that have not been active for 90 days Run an AWS Lambda function when a scheduled Amazon EventBridge (Amazon CloudWatch Events) rule is invoked to automatically remove the AWS access keys and passwords for these IAM users
B. Configure an AWS Config rule to identify IAM users that have not been active for 90 days Set up an automatic weekly batch process on an Amazon EC2

instance to disable the AWS access keys and passwords for these IAM users
C. Develop and run a Python script on an Amazon EC2 instance to programmatically identify IAM users that have not been active for 90 days Automatically delete these 1AM users
D. Set up an AWS Config managed rule to identify IAM users that have not been active for 90 days Set up an AWS Systems Manager automation runbook to disable the AWS access keys for these IAM users

Answer: D

NEW QUESTION 144
- (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 145
- (Exam Topic 1)
A company has a stateless application that runs on four Amazon EC2 instances. The application requires tour instances at all times to support all traffic. A SysOps administrator must design a highly available,
fault-tolerant architecture that continually supports all traffic if one Availability Zone becomes unavailable.
Which configuration meets these requirements?

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

Answer: C

NEW QUESTION 146
- (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 148
- (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 153
- (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 157
- (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 160
- (Exam Topic 1)
A SysOps administrator is investigating why a user has been unable to use RDP to connect over the internet from their home computer to a bastion server running on an Amazon EC2 Windows instance.
Which of the following are possible causes of this issue? (Choose two.)

A. A network ACL associated with the bastion's subnet is blocking the network traffic.
B. The instance does not have a private IP address.
C. The route table associated with the bastion's subnet does not have a route to the internet gateway.
D. The security group for the instance does not have an inbound rule on port 22.
E. The security group for the instance does not have an outbound rule on port 3389.

Answer: AC

NEW QUESTION 162
- (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 167
- (Exam Topic 1)
A company has a critical serverless application that uses multiple AWS Lambda functions. Each Lambda function generates 1 GB of log data daily in tts own Amazon CloudWatch Logs log group. The company's security team asks for a count of application errors, grouped by type, across all of the log groups.
What should a SysOps administrator do to meet this requirement?

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

Answer: A

NEW QUESTION 169
- (Exam Topic 1)
A recent audit found that most resources belonging to the development team were in violation of patch compliance standards The resources were properly tagged Which service should be used to quickly remediate the issue and bring the resources back into compliance?

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

Answer: D

NEW QUESTION 170
- (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 171
- (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 174
- (Exam Topic 1)
A company's SysOps administrator needs to change the AWS Support plan for one of the company's AWS accounts. The account has multi-factor authentication (MFA) activated, and the MFA device is lost.
What should the SysOps administrator do to sign in?

A. Sign in as a root user by using email and phone verificatio
B. Set up a new MFA devic

C. Change the root user password.
D. Sign in as an 1AM user with administrator permission
E. Resynchronize the MFA token by using the 1AM console.
F. Sign in as an 1AM user with administrator permission
G. Reset the MFA device for the root user by adding a new device.
H. Use the forgot-password process to verify the email addres
I. Set up a new password and MFA device.

Answer: A

NEW QUESTION 176
- (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 178
- (Exam Topic 1)
A SysOps administrator is designing a solution for an Amazon RDS for PostgreSQL DB instance. Database credentials must be stored and rotated monthly. The applications that connect to the DB instance send
write-intensive traffic with variable client connections that sometimes increase significantly in a short period of time.
Which solution should a SysOps administrator choose to meet these requirements?

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

Answer: A

NEW QUESTION 180
- (Exam Topic 1)
A company runs us Infrastructure on Amazon EC2 Instances that run In an Auto Scaling group. Recently, the company promoted faulty code to the entire EC2 fleet. This faulty code caused the Auto Scaling group to scale the instances before any of the application logs could be retrieved.
What should a SysOps administrator do to retain the application logs after instances are terminated?

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

Answer: B

NEW QUESTION 184
- (Exam Topic 1)
A company's SysOps administrator regularly checks the AWS Personal Health Dashboard in each of the company's accounts. The accounts are part of an organization in AWS Organizations. The company recently added 10 more accounts to the organization. The SysOps administrator must consolidate the alerts from each account's Personal Health Dashboard.
Which solution will meet this requirement with the LEAST amount of effort?

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

Answer: A

Explanation:
Enabling the organizational view in AWS Health will allow the SysOps administrator to consolidate the alerts from each account's Personal Health Dashboard. It will also provide the administrator with a single view of all the accounts in the organization, allowing them to easily monitor the health of all the accounts in the organization.
Reference:

[1] https://aws.amazon.com/premiumsupport/knowledge-center/organizational-view-health-dashboard/

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

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

Answer: C

NEW QUESTION 193
- (Exam Topic 1)
A SysOps administrator 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 197
- (Exam Topic 1)
A company uses Amazon Route 53 to manage the public DNS records for the domain example.com. The company deploys an Amazon CloudFront distribution to deliver static assets for a new corporate website. The company wants to create a subdomain that is named "static" and must route traffic for the subdomain to the CloudFront distribution.
How should a SysOps administrator create a new record for the subdomain in Route 53?

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

Answer: D

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

NEW QUESTION 201
- (Exam Topic 1)
A company uses Amazon S3 to aggregate raw video footage from various media teams across the US. The company recently expanded into new geographies in Europe and Australia. The technical teams located in Europe and Australia reported delays when uploading large video tiles into the destination S3 bucket m toe United States.
What are the MOST cost-effective ways to increase upload speeds into the S3 bucket? (Select TWO.)

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

D. Use AWS Global Accelerator for file uploads into the destination S3 bucket from the branch offices in Europe and Australia.
E. Use multipart uploads for file uploads into the destination S3 bucket from the branch offices in Europe and Australia.

Answer: CE

NEW QUESTION 206
- (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 209
- (Exam Topic 1)
A company stores critical data m Amazon S3 buckets. A SysOps administrator must build a solution to record all S3 API activity. Which action will meet this requirement?

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

Answer: B

NEW QUESTION 213
- (Exam Topic 1)
A company is using an Amazon DynamoDB table for data. A SysOps administrator must configure replication of the table to another AWS Region for disaster recovery.
What should the SysOps administrator do to meet this requirement?

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

Answer: C

NEW QUESTION 218
- (Exam Topic 1)
A company plans to deploy a database on an Amazon Aurora MySQL DB cluster. The database will store data for a demonstration environment. The data must be reset on a daily basis.
What is the MOST operationally efficient solution that meets these requirements?

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

L. Configure the function to restore the DB cluster to a point in time and then delete the previous DB cluster.

Answer: D

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

NEW QUESTION 219
- (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 224
- (Exam Topic 1)
A company uploaded its website files to an Amazon S3 bucket that has S3 Versioning enabled. The company uses an Amazon CloudFront distribution with the S3 bucket as the origin. The company recently modified the tiles, but the object names remained the same. Users report that old content is still appearing on the website.
How should a SysOps administrator remediate this issue?

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

Answer: A

NEW QUESTION 228
- (Exam Topic 1)
A company is migrating its production file server to AWS. All data that is stored on the file server must remain accessible if an Availability Zone becomes unavailable or when system maintenance is performed. Users must be able to interact with the file server through the SMB protocol. Users also must have the ability to manage file permissions by using Windows ACLs.
Which solution will net these requirements?

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

Answer: B

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

NEW QUESTION 233
- (Exam Topic 1)
A development team recently deployed a new version of a web application to production. After the release penetration testing revealed a cross-site scripting vulnerability that could expose user data.
Which AWS service will mitigate this issue?

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

Answer: B

NEW QUESTION 237
- (Exam Topic 1)
A SysOps administrator needs to delete an AWS CloudFormation stack that is no longer in use. The CloudFormation stack is in the DELETE_FAILED state. The SysOps administrator has validated the permissions that are required to delete the Cloud Formation stack.

A. The configured timeout to delete the stack was too low for the delete operation to complete.
B. The stack contains nested stacks that must be manually deleted fast.
C. The stack was deployed with the -disable rollback option.
D. There are additional resources associated with a security group in the stack
E. There are Amazon S3 buckets that still contain objects in the stack.

Answer: DE

NEW QUESTION 242
- (Exam Topic 1)
A company is running a flash sale on its website. The website is hosted on burstable performance Amazon EC2 instances in an Auto Scaling group. The Auto Scaling group is configured to launch instances when the CPU utilization is above 70%.
A couple of hours into the sale, users report slow load times and error messages for refused connections. A SysOps administrator reviews Amazon CloudWatch metrics and notices that the CPU utilization is at 20% across the entire fleet of instances.
The SysOps administrator must restore the website's functionality without making changes to the network infrastructure.
Which solution will meet these requirements?

A. Activate unlimited mode for the instances in the Auto Scaling group.
B. Implement an Amazon CloudFront distribution to offload the traffic from the Auto Scaling group.
C. Move the website to a different AWS Region that is closer to the users.
D. Reduce the desired size of the Auto Scaling group to artificially increase CPU average utilization.

Answer: B

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

NEW QUESTION 246
- (Exam Topic 1)
A company stores files on 50 Amazon S3 buckets in the same AWS Region The company wants to connect to the S3 buckets securely over a private connection from its Amazon EC2 instances The company needs a solution that produces no additional cost
Which solution will meet these requirements?

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

Answer: C

NEW QUESTION 248
- (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 249
- (Exam Topic 1)
A company has mandated the use of multi-factor authentication (MFA) for all IAM users, and requires users to make all API calls using the CLI. However. users are not prompted to enter MFA tokens, and are able to run CLI commands without MFA. In an attempt to enforce MFA, the company attached an IAM policy to all users that denies API calls that have not been authenticated with MFA.
What additional step must be taken to ensure that API calls are authenticated using MFA?

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

Answer: D

NEW QUESTION 253
- (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 258
- (Exam Topic 1)
A company hosts several write-intensive applications. These applications use a MySQL database that runs on a single Amazon EC2 instance. The company asks a SysOps administrator to implement a highly available database solution that is ideal for multi-tenant workloads.
Which solution should the SysOps administrator implement to meet these requirements?

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

Answer: C

NEW QUESTION 262
- (Exam Topic 1)
A company has deployed a web application in a VPC that has subnets in three Availability Zones. The company launches three Amazon EC2 instances from an EC2 Auto Scaling group behind an Application Load Balancer (ALB).
A SysOps administrator notices that two of the EC2 instances are in the same Availability Zone, rather than being distributed evenly across all three Availability Zones. There are no errors in the Auto Scaling group's activity history.
What is the MOST likely reason for the unexpected placement of EC2 instances?

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

Answer: C

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

NEW QUESTION 263
- (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 265
- (Exam Topic 1)
A SysOps administrator must create a solution that automatically shuts down any Amazon EC2 instances that have less than 10% average CPU utilization for 60 minutes or more.
Which solution will meet this requirement In the MOST operationally efficient manner?

A. Implement a cron job on each EC2 instance to run once every 60 minutes and calculate the current CPU utilizatio
B. Initiate an instance shutdown If CPU utilization is less than 10%.
C. Implement an Amazon CloudWatch alarm for each EC2 instance to monitor average CPU utilization.Set the period at 1 hour, and set the threshold at 10%. Configure an EC2 action on the alarm to stop the instance.
D. Install the unified Amazon CloudWatch agent on each EC2 instance, and enable the Basic level predefined metric se
E. Log CPU utilization every 60 minutes, and initiate an instance shutdown if CPU utilization is less than 10%.
F. Use AWS Systems Manager Run Command to get CPU utilization from each EC2 instance every 60 minute
G. Initiate an instance shutdown if CPU utilization is less than 10%.

Answer: B

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

NEW QUESTION 269
- (Exam Topic 1)
A SysOps administrator receives notification that an application that is running on Amazon EC2 instances has failed to authenticate to an Amazon RDS database
To troubleshoot, the SysOps administrator needs to investigate AWS Secrets Manager password rotation
Which Amazon CloudWatch log will provide insight into the password rotation?

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

Answer: B

NEW QUESTION 271
- (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 untaqged 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 272
- (Exam Topic 1)
A company creates custom AMI images by launching new Amazon EC2 instances from an AWS CloudFormation template it installs and configure necessary software through AWS OpsWorks and takes images of each EC2 instance. The process of installing and configuring software can take between 2 to 3 hours but at limes the process stalls due to installation errors.
The SysOps administrator must modify the CloudFormation template so if the process stalls, the entire stack will tail and roil back.
Based on these requirements what should be added to the template?

A. Conditions with a timeout set to 4 hours.
B. CreationPolicy with timeout set to 4 hours.
C. DependsOn a timeout set to 4 hours.
D. Metadata with a timeout set to 4 hours

Answer: B

NEW QUESTION 275
- (Exam Topic 1)
A company runs several workloads on AWS. The company identifies five AWS Trusted Advisor service quota metrics to monitor in a specific AWS Region. The company wants to receive email notification each time resource usage exceeds 60% of one of the service quotas.
Which solution will meet these requirements?

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

Answer: A

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

NEW QUESTION 276
- (Exam Topic 1)
A company has multiple Amazon EC2 instances that run a resource-intensive application in a development environment. A SysOps administrator is implementing

a solution to stop these EC2 instances when they are not in use.
Which solution will meet this requirement?

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

Answer: B

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

NEW QUESTION 281
- (Exam Topic 1)
A company must ensure that any objects uploaded to an S3 bucket are encrypted. Which of the following actions will meet this requirement? (Choose two.)

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

Answer: CE

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

NEW QUESTION 286
- (Exam Topic 1)
A SysOps administrator is testing an application mat is hosted on five Amazon EC2 instances The instances run in an Auto Scaling group behind an Application Load Balancer (ALB) High CPU utilization during load testing is causing the Auto Scaling group to scale out. The SysOps administrator must troubleshoot to find the root cause of the high CPU utilization before the Auto Scaling group scales out.
Which action should the SysOps administrator take to meet these requirements?

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

Answer: A

NEW QUESTION 288
- (Exam Topic 1)
A company's reporting job that used to run in 15 minutes is now taking an hour to run. An application generates the reports. The application runs on Amazon EC2 instances and extracts data from an Amazon RDS for MySQL database.
A SysOps administrator checks the Amazon CloudWatch dashboard for the RDS instance and notices that the Read IOPS metrics are high, even when the reports are not running. The SysOps administrator needs to improve the performance and the availability of the RDS instance.
Which solution will meet these requirements?

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

Answer: B

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

NEW QUESTION 293
- (Exam Topic 1)
A company has an AWS Cloud Formation template that creates an Amazon S3 bucket. A user authenticates to the corporate AWS account with their Active Directory credentials and attempts to deploy the Cloud Formation template. However, the stack creation fails.
Which factors could cause this failure? (Select TWO.)

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

Answer: AC

NEW QUESTION 297
- (Exam Topic 1)
A SysOps administrator launches an Amazon EC2 Linux instance in a public subnet. When the instance is running, the SysOps administrator obtains the public IP address and attempts to remotely connect to the instance multiple times. However, the SysOps administrator always receives a timeout error.
Which action will allow the SysOps administrator to remotely connect to the instance?

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

Answer: C

NEW QUESTION 299
- (Exam Topic 1)
An organization created an Amazon Elastic File System (Amazon EFS) volume with a file system ID of
fs-85ba4Kc. and it is actively used by 10 Amazon EC2 hosts The organization has become concerned that the file system is not encrypted
How can this be resolved?

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

Answer: D

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

NEW QUESTION 303
- (Exam Topic 1)
A SysOps administrator notices a scale-up event for an Amazon EC2 Auto Scaling group Amazon CloudWatch shows a spike in the RequestCount metric for the associated Application Load Balancer The administrator would like to know the IP addresses for the source of the requests
Where can the administrator find this information?

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

Answer: D

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

NEW QUESTION 308
- (Exam Topic 1)
A development team recently deployed a new version of a web application to production After the release, penetration testing revealed a cross-site scripting vulnerability that could expose user data
Which AWS service will mitigate this issue?

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

Answer: B

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

NEW QUESTION 309
- (Exam Topic 1)
A SysOps administrator is troubleshooting connection timeouts to an Amazon EC2 instance that has a public IP address. The instance has a private IP address of 172.31.16.139. When the SysOps administrator tries to ping the instance's public IP address from the remote IP address 203.0.113.12, the response is "request

timed out." The flow logs contain the following information:

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

What is one cause of the problem?

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

Answer: D

NEW QUESTION 310
- (Exam Topic 1)
A company with multiple AWS accounts needs to obtain recommendations for AWS Lambda functions and identify optimal resource configurations for each Lambda function. How should a SysOps administrator provide these recommendations?

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

Answer: B

NEW QUESTION 315
- (Exam Topic 1)
A gaming application is deployed on four Amazon EC2 instances in a default VPC. The SysOps administrator has noticed consistently high latency in responses as data is transferred among the four instances. There is no way for the administrator to alter the application code.
The MOST effective way to reduce latency is to relaunch the EC2 instances in:

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

Answer: C

NEW QUESTION 318
- (Exam Topic 1)
A company has an internal web application that runs on Amazon EC2 instances behind an Application Load
Balancer. The instances run in an Amazon EC2 Auto Scaling group in a single Availability Zone. A SysOps administrator must make the application highly available.
Which action should the SysOps administrator take to meet this requirement?

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

Answer: C

NEW QUESTION 323
- (Exam Topic 1)
A company recently its server infrastructure to Amazon EC2 instances. The company wants to use Amazon CloudWatch metrics to track instance memory utilization and available disk space.
What should a SysOps administrator do to meet these requirements?

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

Answer: C

NEW QUESTION 325
- (Exam Topic 1)
A SysOps administrator must create an IAM policy for a developer who needs access to specific AWS services. Based on the requirements, the SysOps administrator creates the following policy:

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

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

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

Answer: DE

NEW QUESTION 328
- (Exam Topic 1)
A SysOps administrator wants to manage a web server application with AWS Elastic Beanstalk. The Elastic Beanstalk service must maintain full capacity for new deployments at all times.
Which deployment policies satisfy this requirement? (Select TWO.)

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

Answer: BE

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

NEW QUESTION 331
- (Exam Topic 1)
A SysOps administrator is reviewing AWS Trusted Advisor recommendations. The SysOps administrator notices that all the application servers for a finance application are listed in the Low Utilization Amazon EC2 Instances check. The application runs on three instances across three Availability Zones. The SysOps administrator must reduce the cost of running the application without affecting the application's availability or design.
Which solution will meet these requirements?

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

Answer: C

NEW QUESTION 334
- (Exam Topic 1)
A SysOps administrator recently configured Amazon S3 Cross-Region Replication on an S3 bucket Which of the following does this feature replicate to the destination S3 bucket by default?

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

Answer: B

NEW QUESTION 336
- (Exam Topic 1)
A company runs a stateless application that is hosted on an Amazon EC2 instance. Users are reporting performance issues. A SysOps administrator reviews the Amazon CloudWatch metrics for the application and notices that the instance's CPU utilization frequently reaches 90% during business hours.
What is the MOST operationally efficient solution that will improve the application's responsiveness?

A. Configure CloudWatch logging on the EC2 instanc

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

Answer: C

NEW QUESTION 339
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