Exam Questions SOA-C02

AWS Certified SysOps Administrator - Associate (SOA-C02)

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

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

Answer: C

NEW QUESTION 2
- (Exam Topic 1)
A company updates its security policy to prohibit the public exposure of any data in Amazon S3 buckets in the company's account. What should a SysOps administrator do to meet this requirement?

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

Answer: A

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

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

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

Answer: BE

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

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

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

Answer: D

NEW QUESTION 5
- (Exam Topic 1)
A SysOps administrator must set up notifications for whenever combined billing exceeds a certain threshold for all AWS accounts within a company. The

administrator has set up AWS Organizations and enabled Consolidated Billing.
Which additional steps must the administrator perform to set up the billing alerts?

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

Answer: D

NEW QUESTION 6
- (Exam Topic 1)
A SysOps administrator is provisioning an Amazon Elastic File System (Amazon EFS) file system to provide shared storage across multiple Amazon EC2 instances The instances all exist in the same VPC across multiple Availability Zones. There are two instances In each Availability Zone. The SysOps administrator must make the file system accessible to each instance with the lowest possible latency.
Which solution will meet these requirements?

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

Answer: D

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

NEW QUESTION 7
- (Exam Topic 1)
An application team uses an Amazon Aurora MySQL DB cluster with one Aurora Replica. The application team notices that the application read performance degrades when user connections exceed 200. The number of user connections is typically consistent around 180. with occasional sudden increases above 200 connections. The application team wants the application to automatically scale as user demand increases or decreases.
Which solution will meet these requirements?

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

Answer: C

NEW QUESTION 8
- (Exam Topic 1)
A company has a policy that requires all Amazon EC2 instances to have a specific set of tags. If an EC2 instance does not have the required tags, the noncompliant instance should be terminated.
What is the MOST operationally efficient solution that meets these requirements?

A. Create an Amazon EventBridge (Amazon CloudWatch Events) rule to send all EC2 instance state changes to an AWS Lambda function to determine if each instance is complian
B. Terminate any noncompliant instances.
C. Create an IAM policy that enforces all EC2 instance tag requirement
D. If the required tags are not in place for an instance, the policy will terminate noncompliant instance.
E. Create an AWS Lambda function to determine if each EC2 instance is compliant and terminate an instance if it is noncomplian
F. Schedule the Lambda function to invoke every 5 minutes.
G. Create an AWS Config rule to check if the required tags are presen
H. If an EC2 instance is noncompliant, invoke an AWS Systems Manager Automation document to terminate the instance.

Answer: D

Explanation:
https://docs.aws.amazon.com/systems-manager/latest/userguide/systems-manager-automation.html

NEW QUESTION 9
- (Exam Topic 1)
A SysOps administrator noticed that the cache hit ratio for an Amazon CloudFront distribution is less than 10%.
Which collection of configuration changes will increase the cache hit ratio for the distribution? (Select TWO.)

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

Answer: AE

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

NEW QUESTION 10
- (Exam Topic 1)
A company website contains a web tier and a database tier on AWS. The web tier consists of Amazon EC2 instances that run in an Auto Scaling group across two Availability Zones. The database tier runs on an Amazon ROS for MySQL Multi-AZ DB instance. The database subnet network ACLs are restricted to only the web subnets that need access to the database. The web subnets use the default network ACL with the default rules.
The company's operations team has added a third subnet to the Auto Scaling group configuration. After an Auto Scaling event occurs, some users report that they intermittently receive an error message. The error message states that the server cannot connect to the database. The operations team has confirmed that the route tables are correct and that the required ports are open on all security groups.
Which combination of actions should a SysOps administrator take so that the web servers can communicate with the DB instance? (Select TWO.)

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

Answer: CD

NEW QUESTION 10
- (Exam Topic 1)
The security team is concerned because the number of AWS Identity and Access Management (IAM) policies being used in the environment is increasing. The team tasked a SysOps administrator to report on the current number of IAM policies in use and the total available IAM policies.
Which AWS service should the administrator use to check how current IAM policy usage compares to current service limits?

A. AWS Trusted Advisor
B. Amazon Inspector
C. AWS Config
D. AWS Organizations

Answer: A

NEW QUESTION 14
- (Exam Topic 1)
A company stores its data in an Amazon S3 bucket. The company is required to classify the data and find any sensitive personal information in its S3 files.
Which solution will meet these requirements?

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

Answer: D

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

NEW QUESTION 17
- (Exam Topic 1)
A SysOps administrator must create a solution that immediately notifies software developers if an AWS Lambda function experiences an error.
Which solution will meet this requirement?

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

using Errors as the event pattern and the Lambda function name as a resourc
J. Configure the rule to send a push notification through Amazon SES when the rule state reaches ALARM.

Answer: A

NEW QUESTION 20
- (Exam Topic 1)
A company has multiple AWS Site-to-Site VPN connections between a VPC and its branch offices. The company manages an Amazon Elasticsearch Service (Amazon ES) domain that is configured with public
access. The Amazon ES domain has an open domain access policy. A SysOps administrator needs to ensure that Amazon ES can be accessed only from the branch offices while preserving existing data.
Which solution will meet these requirements?

A. Configure an identity-based access policy on Amazon E
B. Add an allow statement to the policy that includes the Amazon Resource Name (ARN) for each branch office VPN connection.
C. Configure an IP-based domain access policy on Amazon E
D. Add an allow statement to the policy that includes the private IP CIDR blocks from each branch office network.
E. Deploy a new Amazon ES domain in private subnets in a VPC, and import a snapshot from the old domai
F. Create a security group that allows inbound traffic from the branch office CIDR blocks.
G. Reconfigure the Amazon ES domain in private subnets in a VP
H. Create a security group that allows inbound traffic from the branch office CIDR blocks.

Answer: B

NEW QUESTION 23
- (Exam Topic 1)
A SysOps administrator receives an alert from Amazon GuardDuty about suspicious network activity on an Amazon FC2 instance. The GuardDuty finding lists a new external IP address as a traffic destination. The SysOps administrator does not recognize the external IP address. The SysOps administrator must block traffic to the external IP address that GuardDuty identified
Which solution will meet this requirement?

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

Answer: A

NEW QUESTION 24
- (Exam Topic 1)
A company is partnering with an external vendor to provide data processing services. For this integration, the vendor must host the company's data in an Amazon S3 bucket in the vendor's AWS account. The vendor is allowing the company to provide an AWS Key Management Service (AWS KMS) key to encrypt the company's data. The vendor has provided an IAM role Amazon Resource Name (ARN) to the company for this integration.
What should a SysOps administrator do to configure this integration?

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

Answer: C

NEW QUESTION 29
- (Exam Topic 1)
A company has deployed AWS Security Hub and AWS Config in a newly implemented organization in AWS Organizations. A SysOps administrator must implement a solution to restrict all member accounts in the organization from deploying Amazon EC2 resources in the ap-southeast-2 Region. The solution must be implemented from a single point and must govern an current and future accounts. The use of root credentials also must be restricted in member accounts.
Which AWS feature should the SysOps administrator use to meet these requirements?

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

Answer: C

NEW QUESTION 34

- (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 37
- (Exam Topic 1)
A global gaming company is preparing to launch a new game on AWS. The game runs in multiple AWS Regions on a fleet of Amazon EC2 instances. The instances are in an Auto Scaling group behind an
Application Load Balancer (ALB) in each Region. The company plans to use Amazon Route 53 tor DNS services. The DNS configuration must direct users to the Region that is closest to mem and must provide automated failover.
Which combination of steps should a SysOps administrator take to configure Route 53 to meet these requirements9 {Select TWO.)

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

Answer: A

NEW QUESTION 42
- (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 45
- (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 47
- (Exam Topic 1)
A company's financial department needs to view the cost details of each project in an AWS account A SysOps administrator must perform the initial configuration that is required to view cost for each project in Cost Explorer
Which solution will meet this requirement?

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

Answer: A

NEW QUESTION 50
- (Exam Topic 1)
A company runs a web application on three Amazon EC2 instances behind an Application Load Balancer (ALB). The company notices that random periods of increased traffic cause a degradation in the application's performance. A SysOps administrator must scale the application to meet the increased traffic.

Which solution meets these requirements?

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

Answer: C

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

NEW QUESTION 51
- (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 53
- (Exam Topic 1)
A SysOps administrator is setting up an automated process to recover an Amazon EC2 instance In the event of an underlying hardware failure. The recovered instance must have the same private IP address and the same Elastic IP address that the original instance had. The SysOps team must receive an email notification when the recovery process is initiated.
Which solution will meet these requirements?

A. Create an Amazon CloudWatch alarm for the EC2 instance, and specify the SiatusCheckFailedjnstance metri
B. Add an EC2 action to the alarm to recover the instanc
C. Add an alarm notification to publish a message to an Amazon Simple Notification Service (Amazon SNS> topi
D. Subscribe the SysOps team email address to the SNS topic.
E. Create an Amazon CloudWatch alarm for the EC2 Instance, and specify the StatusCheckFailed_System metri
F. Add an EC2 action to the alarm to recover the instanc
G. Add an alarm notification to publish a message to an Amazon Simple Notification Service (Amazon SNS) topi
H. Subscribe the SysOps team email address to the SNS topic.
I. Create an Auto Scaling group across three different subnets in the same Availability Zone with a minimum, maximum, and desired size of 1. Configure the Auto Seating group to use a launch template that specifies the private IP address and the Elastic IP addres
J. Add an activity notification for the Auto Scaling group to send an email message to the SysOps team through Amazon Simple Email Service (Amazon SES).
K. Create an Auto Scaling group across three Availability Zones with a minimum, maximum, and desired size of 1. Configure the Auto Scaling group to use a launch template that specifies the private IP addressand the Elastic IP addres
L. Add an activity notification for the Auto Scaling group to publish a message to an Amazon Simple Notification Service (Amazon SNS) topi
M. Subscribe the SysOps team email address to the SNS topic.

Answer: B

Explanation:
You can create an Amazon CloudWatch alarm that monitors an Amazon EC2 instance and automatically recovers the instance if it becomes impaired due to an underlying hardware failure or a problem that requires AWS involvement to repair. Terminated instances cannot be recovered. A recovered instance is identical to the original instance, including the instance ID, private IP addresses, Elastic IP addresses, and all instance metadata. If the impaired instance has a public IPv4 address, the instance retains the public IPv4 address after recovery. If the impaired instance is in a placement group, the recovered instance runs in the placement group. When the StatusCheckFailed_System alarm is triggered, and the recover action is initiated, you will be notified by the Amazon SNS topic that you selected when you created the alarm and associated the recover action. https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-instance-recover.html

NEW QUESTION 56
- (Exam Topic 1)
A company's web application is available through an Amazon CloudFront distribution and directly through an internet-facing Application Load Balancer (ALB) A SysOps administrator must make the application accessible only through the CloudFront distribution and not directly through the ALB. The SysOps administrator must make this change without changing the application code
Which solution will meet these requirements?

A. Modify the ALB type to internal Set the distribution's origin to the internal ALB domain name
B. Create a Lambda@Edge function Configure the function to compare a custom header value in the request with a stored password and to forward the request to the origin in case of a match Associate the function with the distribution.
C. Replace the ALB with a new internal ALB Set the distribution's origin to the internal ALB domain name Add a custom HTTP header to the origin settings for the distribution In the ALB listener add a rule to forward requests that contain the matching custom header and the header's value Add a default rule to return a fixed response code of 403.
D. Add a custom HTTP header to the origin settings for the distribution in the ALB listener add a rule to forward requests that contain the matching custom header and the header's value Add a default rule to return a fixed response code of 403.

Answer: D

Explanation:
To make the application accessible only through the CloudFront distribution and not directly through the Application Load Balancer (ALB), you can add a custom HTTP header to the origin settings for the CloudFront distribution. You can then create a rule in the ALB listener to forward requests that contain the matching custom header and its value to the origin. You can also add a default rule to the ALB listener to return a fixed response code of 403 for requests that do not contain the matching custom header. This will allow you to redirect all requests to the CloudFront distribution and block direct access to the application through the ALB.
https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/restrict-access-to-load-balancer.html

NEW QUESTION 60
- (Exam Topic 1)
A SysOps administrator created an Amazon VPC with an IPv6 CIDR block, which requires access to the internet. However, access from the internet towards the VPC is prohibited. After adding and configuring the required components to the VPC. the administrator is unable to connect to any of the domains that reside on the internet.
What additional route destination rule should the administrator add to the route tables?

A. Route ;:/0 traffic to a NAT gateway
B. Route ::/0 traffic to an internet gateway
C. Route 0.0.0.0/0 traffic to an egress-only internet gateway
D. Route ::/0 traffic to an egress-only internet gateway

Answer: D

Explanation:
https://docs.aws.amazon.com/vpc/latest/userguide/egress-only-internet-gateway.html

NEW QUESTION 64
- (Exam Topic 1)
While setting up an AWS managed VPN connection, a SysOps administrator creates a customer gateway resource in AWS The customer gateway device resides in a data center with a NAT gateway in front of it
What address should be used to create the customer gateway resource?

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

Answer: D

NEW QUESTION 69
- (Exam Topic 1)
While setting up an AWS managed VPN connection, a SysOps administrator creates a customer gateway resource in AWS. The customer gateway device resides in a data center with a NAT gateway in front of it.
What address should be used to create the customer gateway resource?

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

Answer: D

NEW QUESTION 71
- (Exam Topic 1)
A company uses AWS CloudFormation to deploy its application infrastructure Recently, a user accidentally changed a property of a database in a CloudFormation template and performed a stack update that caused an interruption to the application A SysOps administrator must determine how to modify the deployment process to allow the DevOps team to continue to deploy the infrastructure, but prevent against accidental modifications to specific resources.
Which solution will meet these requirements?

A. Set up an AWS Config rule to alert based on changes to any CloudFormation stack An AWS Lambda function can then describe the stack to determine if any protected resources were modified and cancel the operation
B. Set up an Amazon CloudWatch Events event with a rule to trigger based on any CloudFormation API call An AWS Lambda function can then describe the stack to determine if any protected resources were modified and cancel the operation
C. Launch the CloudFormation templates using a stack policy with an explicit allow for all resources and an explicit deny of the protected resources with an action of Update
D. Attach an IAM policy to the DevOps team role that prevents a CloudFormation stack from updating, with a condition based on the specific Amazon Resource Names (ARNs) of the protected resources

Answer: B

NEW QUESTION 75
- (Exam Topic 1)
A company uses an AWS CloudFormation template to provision an Amazon EC2 instance and an Amazon RDS DB instance A SysOps administrator must update the template to ensure that the DB instance is created before the EC2 instance is launched
What should the SysOps administrator do to meet this requirement?

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

Answer: B

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

NEW QUESTION 78
- (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 80
- (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 82
- (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 86
- (Exam Topic 1)
A SysOps administrator is unable to launch Amazon EC2 instances into a VPC because there are no available private IPv4 addresses in the VPC. Which combination of actions must the SysOps administrator take to launch the instances? (Select TWO.)

A. Associate a secondary IPv4 CIDR block with the VPC
B. Associate a primary IPv6 CIDR block with the VPC
C. Create a new subnet for the VPC
D. Modify the CIDR block of the VPC
E. Modify the CIDR block of the subnet that is associated with the instances

Answer: AD

NEW QUESTION 90
- (Exam Topic 1)
A company is using an Amazon Aurora MySQL DB cluster that has point-in-time recovery, backtracking, and automatic backup enabled. A SysOps administrator needs to be able to roll back the DB cluster to a specific recovery point within the previous 72 hours. Restores must be completed in the same production DB cluster.
Which solution will meet these requirements?

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

Answer: C

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

NEW QUESTION 94
- (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 98
- (Exam Topic 1)
A SysOps administrator is responsible for a legacy. CPU-heavy application The application can only be scaled vertically Currently, the application is deployed on a single t2 large Amazon EC2 instance The system is showing 90% CPU usage and significant performance latency after a few minutes
What change should be made to alleviate the performance problem?

A. Change the Amazon EBS volume to Provisioned lOPs
B. Upgrade to a compute-optimized instance
C. Add additional 12 large instances to the application
D. Purchase Reserved Instances

Answer: B

NEW QUESTION 100
- (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 104
- (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 108
- (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 112
- (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 115
- (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 119
- (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 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 127
- (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 128
- (Exam Topic 1)
A company hosts a web application on an Amazon EC2 instance. The web server logs are published to Amazon CloudWatch Logs. The log events have the same structure and include the HTTP response codes that are associated with the user requests. The company needs to monitor the number of times that the web server returns an HTTP 404 response.
What is the MOST operationally efficient solution that meets these requirements?

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

Answer: A

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

NEW QUESTION 131
- (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 133
- (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 137
- (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 138
- (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 140
- (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 144
- (Exam Topic 1)
A SysOps administrator must configure a resilient tier of Amazon EC2 instances for a high performance computing (HPC) application. The HPC application requires minimum latency between nodes
Which actions should the SysOps administrator take to meet these requirements? (Select TWO.)

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

Answer: AD

NEW QUESTION 148
- (Exam Topic 1)
A SysOps administrator is building a process for sharing Amazon RDS database snapshots between different accounts associated with different business units within the same company. All data must be encrypted at rest.
How should the administrator implement this process?

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

Answer: B

NEW QUESTION 151
- (Exam Topic 1)
A company has a mobile app that uses Amazon S3 to store images The images are popular for a week, and then the number of access requests decreases over time The images must be highly available and must be immediately accessible upon request A SysOps administrator must reduce S3 storage costs for the company Which solution will meet these requirements MOST cost-effectively?

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

Answer: D

NEW QUESTION 152
- (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 157
- (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 161
- (Exam Topic 1)
A SysOps administrator has enabled AWS CloudTrail in an AWS account If CloudTrail is disabled it must be re-enabled immediately What should the SysOps administrator do to meet these requirements WITHOUT writing custom code''

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

Answer: B

NEW QUESTION 163
- (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 166
- (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 167
- (Exam Topic 1)
A company's backend infrastructure contains an Amazon EC2 instance in a private subnet. The private subnet has a route to the internet through a NAT gateway in a public subnet. The instance must allow connectivity to a secure web server on the internet to retrieve data at regular intervals.
The client software times out with an error message that indicates that the client software could not establish the TCP connection.
What should a SysOps administrator do to resolve this error?

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

Answer: D

NEW QUESTION 172
- (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 175
- (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 178
- (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 180
- (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 181
- (Exam Topic 1)
A SysOps administrator noticed that a large number of Elastic IP addresses are being created on the company's AWS account, but they are not being associated with Amazon EC2 instances, and are incurring Elastic IP address charges in the monthly bill.
How can the administrator identify who is creating the Elastic IP addresses?

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

Answer: B

NEW QUESTION 183
- (Exam Topic 1)
A company hosts its website on Amazon EC2 instances behind an Application Load Balancer. The company manages its DNS with Amazon Route 53. and wants to point its domain's zone apex to the website.
Which type of record should be used to meet these requirements?

A. A CNAME record for the domain's zone apex
B. An A record for the domain's zone apex
C. An AAAA record for the domain's zone apex
D. An alias record for the domain's zone apex

Answer: D

Explanation:
https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/resource-record-sets-choosing-alias-non-alias.htm
https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/routing-to-elb-load-balancer.html

NEW QUESTION 188
- (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 192

- (Exam Topic 1)
A company uses AWS Cloud Formation templates to deploy cloud infrastructure. An analysis of all the company's templates shows that the company has declared the same components in multiple templates. A SysOps administrator needs to create dedicated templates that have their own parameters and conditions for these common components.
Which solution will meet this requirement?

A. Develop a CloudFormaiion change set.
B. Develop CloudFormation macros.
C. Develop CloudFormation nested stacks.
D. Develop CloudFormation stack sets.

Answer: C

NEW QUESTION 197
- (Exam Topic 1)
A company has a simple web application that runs on a set of Amazon EC2 instances behind an Elastic Load Balancer in the eu-west-2 Region. Amazon Route 53 holds a DNS record for the application with a simple touting policy. Users from all over the world access the application through their web browsers.
The company needs to create additional copies of the application in the us-east-1 Region and in the ap-south-1 Region. The company must direct users to the Region that provides the fastest response times when the users load the application.
What should a SysOps administrator do to meet these requirements?

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

Answer: B

NEW QUESTION 199
- (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 203
- (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 207
- (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 212
- (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 213
- (Exam Topic 1)
A SysOps administrator has enabled AWS CloudTrail in an AWS account. If CloudTrail is disabled, it must be re-enabled immediately. What should the SysOps administrator do to meet these requirements WITHOUT writing custom code?

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

Answer: D

NEW QUESTION 216
- (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 217
- (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 218
- (Exam Topic 1)
A web application runs on Amazon EC2 instances behind an Application Load Balancer (ALB). The instances run in an Auto Scaling group across multiple Availability Zones. A SysOpe administrator notices that some of these EC2 instances show up as heathy in the Auto Scaling g-out but show up as unhealthy in the ALB target group.
What is a possible reason for this issue?

A. Security groups ate rot allowing traffic between the ALB and the failing EC2 instances
B. The Auto Seating group health check is configured for EC2 status checks
C. The EC2 instances are failing to launch and failing EC2 status checks.
D. The target group health check is configured with an incorrect port or path

Answer: D

NEW QUESTION 223
- (Exam Topic 1)
A company recently purchased Savings Plans. The company wants to receive email notification when the company's utilization drops below 90% for a given day.
Which solution will meet this requirement?

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

Answer: D

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

NEW QUESTION 227
- (Exam Topic 1)
A company uses an Amazon CloudFront distribution to deliver its website. Traffic logs for the website must be centrally stored, and all data must be encrypted at rest.
Which solution will meet these requirements?

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

Answer: C

NEW QUESTION 232
- (Exam Topic 1)
A SysOps administrator is configuring an application on Amazon EC2 instances for a company Teams in other countries will use the application over the internet. The company requires the application endpoint to have a static pubic IP address.
How should the SysOps administrator deploy the application to meet this requirement?

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

Answer: C

NEW QUESTION 234
- (Exam Topic 1)
A new website will run on Amazon EC2 instances behind an Application Load Balancer. Amazon Route 53 will be used to manage DNS records.

What type of record should be set in Route 53 to point the website's apex domain name (for example.company.com to the Application Load Balancer?

A. CNAME
B. SOA
C. TXT
D. ALIAS

Answer: D

NEW QUESTION 238
- (Exam Topic 1)
A company is tunning a website on Amazon EC2 instances thai are in an Auto Scaling group When the website traffic increases, additional instances lake several minutes to become available because ot a
long-running user data script that installs software A SysOps administrator must decrease the time that is required (or new instances to become available
Which action should the SysOps administrator take to meet this requirement?

A. Reduce the scaling thresholds so that instances are added before traffic increases
B. Purchase Reserved Instances to cover 100% of the maximum capacity of the Auto Scaling group
C. Update the Auto Scaling group to launch instances that have a storage optimized instance type
D. Use EC2 Image Builder to prepare an Amazon Machine Image (AMI) that has pre-installed software

Answer: D

Explanation:
automated way to update your image. Have a pipeline to update your image. When you boot from your AMI updates = scrits are already pre-installed, so no need to complete boot scripts in boot process. https://aws.amazon.com/image-builder/

NEW QUESTION 239
- (Exam Topic 1)
A SysOps administrator is trying to set up an Amazon Route 53 domain name to route traffic to a website hosted on Amazon S3. The domain name of the website is www.anycompany.com and the S3 bucket name is anycompany-static. After the record set is set up in Route 53, the domain name www.anycompany.com does not seem to work, and the static website is not displayed in the browser.
Which of the following is a cause of this?

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

Answer: D

NEW QUESTION 241
- (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 245
- (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 248
- (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 250
- (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 255
- (Exam Topic 1)
A company's SysOps administrator deploys four new Amazon EC2 instances by using the standard Amazon Linux 2 Amazon Machine Image (AMI). The company needs to be able to use AWS Systems Manager to manage the instances The SysOps administrator notices that the instances do not appear in the Systems Manager console
What must the SysOps administrator do to resolve this issue?

A. Connect to each instance by using SSH Install Systems Manager Agent on each instance Configure Systems Manager Agent to start automatically when the instances start up
B. Use AWS Certificate Manager (ACM) to create a TLS certificate Import the certificate into each instance Configure Systems Manager Agent to use the TLS certificate for secure communications
C. Connect to each instance by using SSH Create an ssm-user account Add the ssm-user account to the/etcsudoers d directory
D. Attach an IAM instance profile to the instances Ensure that the instance profile contains the AmazonSSMManagedinstanceCore policy

Answer: D

NEW QUESTION 256
- (Exam Topic 1)
A company has a high-performance Windows workload. The workload requires a storage volume mat provides consistent performance of 10.000 KDPS. The company does not want to pay for additional unneeded capacity to achieve this performance.
Which solution will meet these requirements with the LEAST cost?

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

Answer: A

NEW QUESTION 259
- (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 260
- (Exam Topic 1)
A company has an application that runs only on Amazon EC2 Spot Instances. The instances run in an Amazon EC2 Auto Scaling group with scheduled scaling actions.
However, the capacity does not always increase at the scheduled times, and instances terminate many times a day. A Sysops administrator must ensure that the instances launch on time and have fewer interruptions.
Which action will meet these requirements?

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

Answer: A

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

NEW QUESTION 263
- (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 268
- (Exam Topic 1)
A company must migrate its applications to AWS The company is using Chef recipes for configuration management The company wants to continue to use the existing Chef recipes after the applications are migrated to AWS.
What is the MOST operationally efficient solution that meets these requirements?

A. Use AWS Cloud Format ion to create an Amazon EC2 instance, install a Chef server, and add Chefrecipes.
B. Use AWS CloudFormation to create a stack and add layers for Chef recipes.
C. Use AWS Elastic Beanstalk with the Docker platform to upload Chef recipes.
D. Use AWS OpsWorks to create a stack and add layers with Chef recipes.

Answer: D

NEW QUESTION 271
- (Exam Topic 1)
An existing, deployed solution uses Amazon EC2 instances with Amazon EBS General Purpose SSD volumes, an Amazon RDS PostgreSQL database, an Amazon EFS file system, and static objects stored in an Amazon S3 bucket. The Security team now mandates that at-rest encryption be turned on immediately for all aspects of the application, without creating new resources and without any downtime.
To satisfy the requirements, which one of these services can the SysOps administrator enable at-rest encryption on?

A. EBS General Purpose SSD volumes

B. RDS PostgreSQL database
C. Amazon EFS file systems
D. S3 objects within a bucket

Answer: D

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

NEW QUESTION 276
- (Exam Topic 1)
A SysOps administrator has an AWS CloudFormation template of the company's existing infrastructure in us-west-2. The administrator attempts to use the template to launch a new stack in eu-west-1, but the stack only partially deploys, receives an error message, and then rolls back.
Why would this template fail to deploy? (Select TWO.)

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

Answer: BD

NEW QUESTION 277
- (Exam Topic 1)
A company is expanding its use of AWS services across its portfolios The company wants to provision AWS accounts for each team to ensure a separation of business processes for security compliance and billing Account creation and bootstrapping should be completed m a scalable and efficient way so new accounts are created with a defined baseline and governance guardrails in place A SysOps administrator needs to design a provisioning process that saves time and resources
Which action should be taken to meet these requirements?

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

Answer: D

NEW QUESTION 280
- (Exam Topic 1)
A company uses an Amazon Simple Queue Service (Amazon SQS) standard queue with its application. The application sends messages to the queue with unique message bodies The company decides to switch to an SQS FIFO queue
What must the company do to migrate to an SQS FIFO queue?

A. Create a new SQS FIFO gueue Turn on content based deduplication on the new FIFO queue Update the application to include a message group ID in the messages
B. Create a new SQS FIFO queue Update the application to include the DelaySeconds parameter in the messages
C. Modify the queue type from SQS standard to SQS FIFO Turn off content-based deduplication on the queue Update the application to include a message group ID in the messages
D. Modify the queue type from SQS standard to SQS FIFO Update the application to send messages with identical message bodies and to include the DelaySeconds parameter in the messages

Answer: A

Explanation:
FIFO queues don't support per-message delays, only per-queue delays. If your application sets the same value of the DelaySeconds parameter on each message, you must modify your application to remove the
per-message delay and set DelaySeconds on the entire queue instead.
https://docs.aws.amazon.com/AWSSimpleQueueService/latest/SQSDeveloperGuide/FIFO-queues-moving.html

NEW QUESTION 283
- (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 288
- (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 291
- (Exam Topic 1)
A SysOps administrator is required to monitor free space on Amazon EBS volumes attached to Microsoft Windows-based Amazon EC2 instances within a company's account. The administrator must be alerted to potential issues.
What should the administrator do to receive email alerts before low storage space affects EC2 instance performance?

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

Answer: C

NEW QUESTION 294
- (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 298
- (Exam Topic 1)
A recent organizational audit uncovered an existing Amazon RDS database that is not currently configured for high availability. Given the critical nature of this database, it must be configured for high availability as soon as possible.
How can this requirement be met?

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

Answer: C

NEW QUESTION 300
- (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 303
- (Exam Topic 1)
A SysOps administrator is using AWS Systems Manager Patch Manager to patch a fleet of Amazon EC2 instances. The SysOps administrator has configured a patch baseline and a maintenance window. The SysOps administrator also has used an instance tag to identify which instances to patch.
The SysOps administrator must give Systems Manager the ability to access the EC2 instances. Which additional action must the SysOps administrator perform to meet this requirement?

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

Answer: A

NEW QUESTION 306
- (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 307
- (Exam Topic 1)
A company using AWS Organizations requires that no Amazon S3 buckets in its production accounts should ever be deleted.
What is the SIMPLEST approach the SysOps administrator can take to ensure S3 buckets in those accounts can never be deleted?

A. Set up MFA Delete on all the S3 buckets to prevent the buckets from being deleted.
B. Use service control policies to deny the s3:DeleteBucket action on all buckets in production accounts.
C. Create an IAM group that has an IAM policy to deny the s3:DeleteBucket action on all buckets in production accounts.
D. Use AWS Shield to deny the s3:DeleteBucket action on the AWS account instead of all S3 buckets.

Answer: B

Explanation:
https://docs.aws.amazon.com/organizations/latest/userguide/orgs_manage_policies_scps.html
If you're using AWS Organizations, check the service control policies for any statements that explicitly deny Amazon S3 access. In particular, check the service control policies for statements denying the s3:PutBucketPolicy action.
https://aws.amazon.com/tw/premiumsupport/knowledge-center/s3-access-denied-bucket-policy/

NEW QUESTION 312
- (Exam Topic 1)
A SysOps administrator is responsible for a company's security groups. The company wants to maintain a documented trail of any changes that are made to the security groups. The SysOps administrator must receive notification whenever the security groups change.
Which solution will meet these requirements?

A. Set up Amazon Detective to record security group change
B. Specify an Amazon CloudWatch Logs log group to store configuration history log
C. Create an Amazon Simple Queue Service (Amazon SOS) queue for notifications about configuration change
D. Subscribe the SysOps administrator's email address to the SQS queue.
E. Set up AWS Systems Manager Change Manager to record security group change
F. Specify an Amazon CloudWatch Logs log group to store configuration history log
G. Create an Amazon Simple Notification Service (Amazon SNS) topic for notifications about configuration change
H. Subscribe the SysOps administrator's email address to the SNS topic.
I. Set up AWS Config to record security group change
J. Specify an Amazon S3 bucket as the location for configuration snapshots and history file
K. Create an Amazon Simple Notification Service (Amazon SNS) topic for notifications about configuration change
L. Subscribe the SysOps administrator's email address to the SNS topic.
M. Set up Amazon Detective to record security group change
N. Specify an Amazon S3 bucket as the location for configuration snapshots and history file
O. Create an Amazon Simple Notification Service (Amazon SNS) topic for notifications about configuration change
P. Subscribe the SysOps administrator's email address to the SNS topic.

Answer: D

NEW QUESTION 314
- (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 319
- (Exam Topic 1)
A manufacturing company uses an Amazon RDS DB instance to store inventory of all stock items. The company maintains several AWS Lambda functions that interact with the database to add, update, and delete items. The Lambda functions use hardcoded credentials to connect to the database.
A SysOps administrator must ensure that the database credentials are never stored in plaintext and that the password is rotated every 30 days.
Which solution will meet these requirements in the MOST operationally efficient manner?

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

Answer: C

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

NEW QUESTION 321
- (Exam Topic 1)
A company has a new requirement stating that all resources In AWS must be tagged according to a set policy. Which AWS service should be used to enforce and continually Identify all resources that are not in compliance with the policy?

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

Answer: C

NEW QUESTION 323
- (Exam Topic 1)
A company needs to view a list of security groups that are open to the internet on port 3389. What should a SysOps administrator do to meet this requirement?

A. Configure Amazon 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 326
- (Exam Topic 1)
A company has a new requirement stating that all resources in AWS must be tagged according to a set policy. Which AWS service should be used to enforce and continually identify all resources that are not in compliance with the policy?

A. AWS CloudTrail
B. Amazon Inspector
C. AWSConfig

D. AWS Systems Manager

Answer: C

NEW QUESTION 329
- (Exam Topic 1)
A SysOps administrator has used AWS Cloud Formal ion to deploy a serverless application Into a production VPC. The application consists of an AWS Lambda function an Amazon DynamoDB table, and an Amazon API Gateway API. The SysOps administrator must delete the AWS Cloud Formation stack without deleting the DynamoDB table.
Which action should the SysOps administrator take before deleting the AWS Cloud Formation stack?

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

Answer: A

NEW QUESTION 333
- (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 336
- (Exam Topic 1)
A company has a VPC with public and private subnets. An Amazon EC2 based application resides in the private subnets and needs to process raw .csv files stored in an Amazon S3 bucket. A SysOps administrator has set up the correct IAM role with the required permissions for the application to access the S3 bucket, but the application is unable to communicate with the S3 bucket.
Which action will solve this problem while adhering to least privilege access?

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

Answer: B

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

NEW QUESTION 338
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