

# Amazon

## Exam Questions AWS-Certified-Security-Specialty

Amazon AWS Certified Security - Specialty



#### NEW QUESTION 1

A company hosts a popular web application that connects to an Amazon RDS MySQL DB instance running in a private VPC subnet that was created with default ACL settings. The IT Security department has a suspicion that a DDos attack is coming from a suspecting IP. How can you protect the subnets from this attack? Please select:

- A. Change the Inbound Security Groups to deny access from the suspecting IP
- B. Change the Outbound Security Groups to deny access from the suspecting IP
- C. Change the Inbound NACL to deny access from the suspecting IP
- D. Change the Outbound NACL to deny access from the suspecting IP

**Answer:** C

#### Explanation:

Option A and B are invalid because by default the Security Groups already block traffic. You can use NACL's as an additional security layer for the subnet to deny traffic.

Option D is invalid since just changing the Inbound Rules is sufficient The AWS Documentation mentions the following

A network access control list (ACL) is an optional layer of security for your VPC that acts as a firewall for controlling traffic in and out of one or more subnets. You might set up network ACLs with rules similar to your security groups in order to add an additional layer of security to your VPC.

The correct answer is: Change the Inbound NACL to deny access from the suspecting IP

#### NEW QUESTION 2

You have a vendor that needs access to an AWS resource. You create an AWS user account. You want to restrict access to the resource using a policy for just that user over a brief period. Which of the following would be an ideal policy to use? Please select:

- A. An AWS Managed Policy
- B. An Inline Policy
- C. A Bucket Policy
- D. A bucket ACL

**Answer:** B

#### Explanation:

The AWS Documentation gives an example on such a case

Inline policies are useful if you want to maintain a strict one-to-one relationship between a policy and the principal entity that it's applied to. For example, you want to be sure that the permissions in a policy are not inadvertently assigned to a principal entity other than the one they're intended for. When you use an inline policy, the permissions in the policy cannot be inadvertently attached to the wrong principal entity. In addition, when you use the AWS Management Console to delete that principal entity the policies embedded in the principal entity are deleted as well. That's because they are part of the principal entity.

Option A is invalid because AWS Managed Policies are ok for a group of users, but for individual users, inline policies are better.

Option C and D are invalid because they are specifically meant for access to S3 buckets For more information on policies, please visit the following URL:

<https://docs.aws.amazon.com/IAM/latest/UserGuide/access-managed-vs-inline>

The correct answer is: An Inline Policy Submit your Feedback/Queries to our Experts

#### NEW QUESTION 3

Your company has a requirement to monitor all root user activity by notification. How can this best be achieved? Choose 2 answers from the options given below. Each answer forms part of the solution

Please select:

- A. Create a Cloudwatch Events Rule
- B. Create a Cloudwatch Logs Rule
- C. Use a Lambda function
- D. Use Cloudtrail API call

**Answer:** AC

#### Explanation:

Below is a snippet from the AWS blogs on a solution

Option B is invalid because you need to create a Cloudwatch Events Rule and there is such thing as a Cloudwatch Logs Rule Option D is invalid because Cloud Trail API calls can be recorded but cannot be used to send across notifications For more information on this blog article, please visit the following URL:

<https://aws.amazon.com/blogs/mt/monitor-and-notify-on-aws-account-root-user-activity>

The correct answers are: Create a Cloudwatch Events Rule, Use a Lambda function Submit your Feedback/Queries to our Experts

#### NEW QUESTION 4

A company wants to have a secure way of generating, storing and managing cryptographic exclusive access for the keys. Which of the following can be used for this purpose? Please select:

- A. Use KMS and the normal KMS encryption keys
- B. Use KMS and use an external key material
- C. Use S3 Server Side encryption
- D. Use Cloud HSM

**Answer:** D

#### Explanation:

The AWS Documentation mentions the following

The AWS CloudHSM service helps you meet corporate, contractual and regulatory compliance requirements for data security by using dedicated Hardware Security Module (HSM) instances within the AWS cloud. AWS and AWS Marketplace partners offer a variety of solutions for protecting sensitive data within the AWS platform, but for some applications and data subject to contractual or regulatory mandates for managing cryptographic keys, additional protection may be necessary. CloudHSM complements existing data protection solutions and allows you to protect your encryption keys within HSMs that are design and validated to government standards for secure key management. CloudHSM allows you to securely generate, store and manage cryptographic keys used for data encryption in a way that keys are accessible only by you.

Option A,B and Care invalid because in all of these cases, the management of the key will be with AWS. Here the question specifically mentions that you want to have exclusive access over the keys. This can be achieved with Cloud HSM

For more information on CloudHSM, please visit the following URL: <https://aws.amazon.com/cloudhsm/faq>:

The correct answer is: Use Cloud HSM Submit your Feedback/Queries to our Experts

#### NEW QUESTION 5

A company is hosting a website that must be accessible to users for HTTPS traffic. Also port 22 should be open for administrative purposes. The administrator's workstation has a static IP address of 203.0.113.1/32. Which of the following security group configurations are the MOST secure but still functional to support these requirements? Choose 2 answers from the options given below

Please select:

- A. Port 443 coming from 0.0.0.0/0
- B. Port 443 coming from 10.0.0.0/16
- C. Port 22 coming from 0.0.0.0/0
- D. Port 22 coming from 203.0.113.1/32

**Answer:** AD

#### Explanation:

Since HTTPS traffic is required for all users on the Internet, Port 443 should be open on all IP addresses. For port 22, the traffic should be restricted to an internal subnet.

Option B is invalid, because this only allow traffic from a particular CIDR block and not from the internet

Option C is invalid because allowing port 22 from the internet is a security risk For more information on AWS Security Groups, please visit the following UR

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/usins-network-security.html>

The correct answers are: Port 443 coming from 0.0.0.0/0, Port 22 coming from 203.0.113.1 /32 Submit your Feedback/Queries to our Experts

#### NEW QUESTION 6

Your company has an EC2 Instance that is hosted in an AWS VPC. There is a requirement to ensure that logs files from the EC2 Instance are stored accordingly. The access should also be limited for the destination of the log files. How can this be accomplished? Choose 2 answers from the options given below. Each answer forms part of the solution

Please select:

- A. Stream the log files to a separate Cloudtrail trail
- B. Stream the log files to a separate Cloudwatch Log group
- C. Create an IAM policy that gives the desired level of access to the Cloudtrail trail
- D. Create an IAM policy that gives the desired level of access to the Cloudwatch Log group

**Answer:** BD

#### Explanation:

You can create a Log group and send all logs from the EC2 Instance to that group. You can then limit the access to the Log groups via an IAM policy.

Option A is invalid because Cloudtrail is used to record API activity and not for storing log files Option C is invalid because Cloudtrail is the wrong service to be used for this requirement

For more information on Log Groups and Log Streams, please visit the following URL:

\* <https://docs.aws.amazon.com/AmazonCloudWatch/latest/logs/Working>

For more information on Access to Cloudwatch logs, please visit the following URL:

\* <https://docs.aws.amazon.com/AmazonCloudWatch/latest/logs/auth-and-access-control-cwl.html> The correct answers are: Stream the log files to a separate

Cloudwatch Log group. Create an IAM policy that gives the desired level of access to the Cloudwatch Log group

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#### NEW QUESTION 7

You have an Ec2 Instance in a private subnet which needs to access the KMS service. Which of the following methods can help fulfil this requirement, keeping security in perspective

Please select:

- A. Use a VPC endpoint
- B. Attach an Internet gateway to the subnet
- C. Attach a VPN connection to the VPC
- D. Use VPC Peering

**Answer:** A

#### Explanation:

The AWS Documentation mentions the following

You can connect directly to AWS KMS through a private endpoint in your VPC instead of connecting over the internet. When you use a VPC endpoint communication between your VPC and AWS KMS is conducted entirely within the AWS network.

Option B is invalid because this could open threats from the internet

Option C is invalid because this is normally used for communication between on-premise environments and AWS.

Option D is invalid because this is normally used for communication between VPCs

For more information on accessing KMS via an endpoint, please visit the following URL <https://docs.aws.amazon.com/kms/latest/developerguide/kms-vpc-endpoint.html>

The correct answer is: Use a VPC endpoint Submit your Feedback/Queries to our Experts

**NEW QUESTION 8**

You have a web site that is sitting behind AWS Cloudfront. You need to protect the web site against threats such as SQL injection and Cross site scripting attacks. Which of the following service can help in such a scenario  
Please select:

- A. AWS Trusted Advisor
- B. AWS WAF
- C. AWS Inspector
- D. AWS Config

**Answer:** B

**Explanation:**

The AWS Documentation mentions the following

AWS WAF is a web application firewall that helps detect and block malicious web requests targeted at your web applications. AWS WAF allows you to create rules that can help protect against common web exploits like SQL injection and cross-site scripting. With AWS WAF you first identify the resource (either an Amazon CloudFront distribution or an Application Load Balancer) that you need to protect. Option A is invalid because this will only give advise on how you can better the security in your AWS account but not protect against threats mentioned in the question.

Option C is invalid because this can be used to scan EC2 Instances for vulnerabilities but not protect against threats mentioned in the question.

Option D is invalid because this can be used to check config changes but not protect against threats mentioned in the quest

For more information on AWS WAF, please visit the following URL: <https://aws.amazon.com/waf/details>;

The correct answer is: AWS WAF

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**NEW QUESTION 9**

Your company has a set of resources defined in the AWS Cloud. Their IT audit department has requested to get a list of resources that have been defined across the account. How can this be achieved in the easiest manner? Please select:

- A. Create a powershell script using the AWS CL
- B. Query for all resources with the tag of production.
- C. Create a bash shell script with the AWS CL
- D. Query for all resources in all region
- E. Store the results in an S3 bucket.
- F. Use Cloud Trail to get the list of all resources
- G. Use AWS Config to get the list of all resources

**Answer:** D

**Explanation:**

The most feasible option is to use AWS Config. When you turn on AWS Config, you will get a list of resources defined in your AWS Account.

A sample snapshot of the resources dashboard in AWS Config is shown below

Option A is incorrect because this would give the list of production based resources and now all resources

Option B is partially correct But this will just add more maintenance overhead.

Option C is incorrect because this can be used to log API activities but not give an account of all resou For more information on AWS Config, please visit the below URL: <https://docs.aws.amazon.com/config/latest/developereuide/how-does-confie-work.html>

The correct answer is: Use AWS Config to get the list of all resources Submit your Feedback/Queries to our Experts

**NEW QUESTION 10**

Your company has defined privileged users for their AWS Account. These users are administrators for key resources defined in the company. There is now a mandate to enhance the security authentication for these users. How can this be accomplished?  
Please select:

- A. Enable MFA for these user accounts
- B. Enable versioning for these user accounts
- C. Enable accidental deletion for these user accounts
- D. Disable root access for the users

**Answer:** A

**Explanation:**

The AWS Documentation mentions the following as a best practices for 1AM users. For extra security, enable multi-factor authentication (MFA) for privileged 1AM users (users who are allowed access to sensitive resources or APIs). With MFA, users have a device that generates unique authentication code (a one-time password, or OTP). Users must provide both their normal credentials (like their user name and password) and the OTP. The MFA device can either be a special piece of hardware, or it can be a virtual device (for example, it can run in an app on a smartphone).

Option B,C and D are invalid because no such security options are available in AWS For more information on 1AM best practices, please visit the below URL <https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html> The correct answer is: Enable MFA for these user accounts

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**NEW QUESTION 10**

An application running on EC2 instances must use a username and password to access a database. The developer has stored those secrets in the SSM Parameter Store with type SecureString using the default KMS CMK. Which combination of configuration steps will allow the application to access the secrets via the API? Select 2 answers from the options below  
Please select:

- A. Add the EC2 instance role as a trusted service to the SSM service role.

- B. Add permission to use the KMS key to decrypt to the SSM service role.
- C. Add permission to read the SSM parameter to the EC2 instance role..
- D. Add permission to use the KMS key to decrypt to the EC2 instance role
- E. Add the SSM service role as a trusted service to the EC2 instance rol

**Answer:** CD

**Explanation:**

The below example policy from the AWS Documentation is required to be given to the EC2 Instance in order to read a secure string from AWS KMS. Permissions need to be given to the Get Parameter API and the KMS API call to decrypt the secret.

Option A is invalid because roles can be attached to EC2 and not EC2 roles to SSM Option B is invalid because the KMS key does not need to decrypt the SSM service role.

Option E is invalid because this configuration is valid For more information on the parameter store, please visit the below URL:

<https://docs.aws.amazon.com/kms/latest/developerguide/services-parameter-store.html>

The correct answers are: Add permission to read the SSM parameter to the EC2 instance role., Add permission to use the KMS key to decrypt to the EC2 instance role

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**NEW QUESTION 14**

You are devising a policy to allow users to have the ability to access objects in a bucket called appbucket. You define the below custom bucket policy

But when you try to apply the policy you get the error "Action does not apply to any resource(s) in statement." What should be done to rectify the error Please select:

- A. Change the 1AM permissions by applying PutBucketPolicy permissions.
- B. Verify that the policy has the same name as the bucket nam
- C. If no
- D. make it the same.
- E. Change the Resource section to "arn:aws:s3:::appbucket/\*".
- F. Create the bucket "appbucket" and then apply the polic

**Answer:** C

**Explanation:**

When you define access to objects in a bucket you need to ensure that you specify to which objects in the bucket access needs to be given to. In this case, the \* can be used to assign the permission to all objects in the bucket

Option A is invalid because the right permissions are already provided as per the question requirement

Option B is invalid because it is not necessary that the policy has the same name as the bucket Option D is invalid because this should be the default flow for applying the policy

For more information on bucket policies please visit the below URL: <https://docs.aws.amazon.com/AmazonS3/latest/dev/example-bucket-policies.html>

The correct answer is: Change the Resource section to "arn:aws:s3:::appbucket/" Submit your Feedback/Queries to our Experts

**NEW QUESTION 17**

A company wants to have an Intrusion detection system available for their VPC in AWS. They want to have complete control over the system. Which of the following would be ideal to implement?

Please select:

- A. Use AWS WAF to catch all intrusions occurring on the systems in the VPC
- B. Use a custom solution available in the AWS Marketplace
- C. Use VPC Flow logs to detect the issues and flag them accordingly.
- D. Use AWS Cloudwatch to monitor all traffic

**Answer:** B

**Explanation:**

Sometimes companies want to have custom solutions in place for monitoring Intrusions to their systems. In such a case, you can use the AWS Marketplace for



looking at custom solutions.

Option A.C and D are all invalid because they cannot be used to conduct intrusion detection or prevention.

For more information on using custom security solutions please visit the below URL

[https://d1.awsstatic.com/Marketplace/security/AWSMP\\_Security\\_Solution%20Overview.pdf](https://d1.awsstatic.com/Marketplace/security/AWSMP_Security_Solution%20Overview.pdf) For more information on using custom security solutions please visit the below URL: [https://d1.awsstatic.com/Marketplace/security/AWSMP\\_Security\\_Solution%20Overview.pdf](https://d1.awsstatic.com/Marketplace/security/AWSMP_Security_Solution%20Overview.pdf) The correct answer is: Use a custom solution available in the AWS Marketplace Submit your Feedback/Queries to our Experts

#### NEW QUESTION 20

Your company has mandated that all calls to the AWS KMS service be recorded. How can this be achieved?

Please select:

- A. Enable logging on the KMS service
- B. Enable a trail in Cloudtrail
- C. Enable Cloudwatch logs
- D. Use Cloudwatch metrics

**Answer: B**

#### Explanation:

The AWS Documentation states the following

AWS KMS is integrated with CloudTrail, a service that captures API calls made by or on behalf of AWS KMS in your AWS account and delivers the log files to an Amazon S3 bucket that you specify. CloudTrail captures API calls from the AWS KMS console or from the AWS KMS API. Using the information collected by CloudTrail, you can determine what request was made, the source IP

address from which the request was made, who made the request when it was made, and so on. Option A is invalid because logging is not possible in the KMS service

Option C and D are invalid because Cloudwatch cannot be used to monitor API calls For more information on logging using Cloudtrail please visit the below URL

<https://docs.aws.amazon.com/kms/latest/developerguide/logging-using-cloudtrail.html> The correct answer is: Enable a trail in Cloudtrail

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#### NEW QUESTION 21

You have an instance setup in a test environment in AWS. You installed the required application and the promoted the server to a production environment. Your IT Security team has advised that there maybe traffic flowing in from an unknown IP address to port 22. How can this be mitigated immediately?

Please select:

- A. Shutdown the instance
- B. Remove the rule for incoming traffic on port 22 for the Security Group
- C. Change the AMI for the instance
- D. Change the Instance type for the instance

**Answer: B**

#### Explanation:

In the test environment the security groups might have been opened to all IP addresses for testing purpose. Always to ensure to remove this rule once all testing is completed.

Option A, C and D are all invalid because this would affect the application running on the server. The easiest way is just to remove the rule for access on port 22.

For more information on authorizing access to an instance, please visit the below URL: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/authorizing-access-to-an-instance.html> The correct answer is: Remove the rule for incoming traffic on port 22 for the Security Group Submit your Feedback/Queries to our

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### NEW QUESTION 23

You have just received an email from AWS Support stating that your AWS account might have been compromised. Which of the following steps would you look to carry out immediately. Choose 3 answers from the options below.

Please select:

- A. Change the root account password.
- B. Rotate all 1AM access keys
- C. Keep all resources running to avoid disruption
- D. Change the password for all 1AM user

**Answer:** ABD

#### Explanation:

One of the articles from AWS mentions what should be done in such a scenario

If you suspect that your account has been compromised, or if you have received a notification from AWS that the account has been compromised, perform the following tasks:

Change your AWS root account password and the passwords of any 1AM users. Delete or rotate all root and AWS Identity and Access Management (1AM) access keys.

Delete any resources on your account you didn't create, especially running EC2 instances, EC2 spot bids, or 1AM users.

Respond to any notifications you received from AWS Support through the AWS Support Center. Option C is invalid because there could be compromised instances or resources running on your environment. They should be shutdown or stopped immediately.

For more information on the article, please visit the below URL: <https://aws.amazon.com/premiumsupport/knowledge-center/potential-account-compromise>>

The correct answers are: Change the root account password. Rotate all 1AM access keys. Change the password for all 1AM users. Submit your Feedback/Queries to our Experts

### NEW QUESTION 24

Your company is planning on hosting an internal network in AWS. They want machines in the VPC to authenticate using private certificates. They want to minimize the work and maintenance in working with certificates. What is the ideal way to fulfil this requirement.

Please select:

- A. Consider using Windows Server 2016 Certificate Manager
- B. Consider using AWS Certificate Manager
- C. Consider using AWS Access keys to generate the certificates
- D. Consider using AWS Trusted Advisor for managing the certificates

**Answer:** B

#### Explanation:

The AWS Documentation mentions the following

ACM is tightly linked with AWS Certificate Manager Private Certificate Authority. You can use ACM PCA to create a private certificate authority (CA) and then use ACM to issue private certificates. These are SSL/TLS X.509 certificates that identify users, computers, applications, services, servers, and other devices internally.

Private certificates cannot be publicly trusted

Option A is partially invalid. Windows Server 2016 Certificate Manager can be used but since there is a requirement to "minimize the work and maintenance", AWS Certificate Manager should be used Option C and D are invalid because these cannot be used for managing certificates.

For more information on ACM, please visit the below URL: <https://docs.aws.amazon.com/acm/latest/userguide/acm-overview.html>

The correct answer is: Consider using AWS Certificate Manager Submit your Feedback/Queries to our Experts

### NEW QUESTION 27

You have enabled Cloudtrail logs for your company's AWS account. In addition, the IT Security department has mentioned that the logs need to be encrypted. How can this be achieved?

Please select:

- A. Enable SSL certificates for the Cloudtrail logs
- B. There is no need to do anything since the logs will already be encrypted
- C. Enable Server side encryption for the trail
- D. Enable Server side encryption for the destination S3 bucket

**Answer:** B

#### Explanation:

The AWS Documentation mentions the following.

By default CloudTrail event log files are encrypted using Amazon S3 server-side encryption (SSE). You can also choose to encryption your log files with an AWS Key Management Service (AWS KMS) key. You can store your log files in your bucket for as long as you want. You can also define Amazon S3 lifecycle rules to archive or delete log files automatically. If you want notifications about lo file delivery and validation, you can set up Amazon SNS notifications.

Option A.C and D are not valid since logs will already be encrypted

For more information on how Cloudtrail works, please visit the following URL: <https://docs.aws.amazon.com/awscloudtrail/latest/useruide/how-cloudtrail-works.html>

The correct answer is: There is no need to do anything since the logs will already be encrypted Submit your Feedback/Queries to our Experts

### NEW QUESTION 32

You have just recently set up a web and database tier in a VPC and hosted the application. When testing the app , you are not able to reach the home page for the app. You have verified the security groups. What can help you diagnose the issue.

Please select:

- A. Use the AWS Trusted Advisor to see what can be done.
- B. Use VPC Flow logs to diagnose the traffic
- C. Use AWS WAF to analyze the traffic

D. Use AWS Guard Duty to analyze the traffic

**Answer:** B

**Explanation:**

Option A is invalid because this can be used to check for security issues in your account, but not verify as to why you cannot reach the home page for your application

Option C is invalid because this used to protect your app against application layer attacks, but not verify as to why you cannot reach the home page for your application

Option D is invalid because this used to protect your instance against attacks, but not verify as to why you cannot reach the home page for your application

The AWS Documentation mentions the following

VPC Flow Logs capture network flow information for a VPC, subnet or network interface and stores it in Amazon CloudWatch Logs. Flow log data can help customers troubleshoot network issues; for example, to diagnose why specific traffic is not reaching an instance, which might be a result of overly restrictive security group rules. Customers can also use flow logs as a security tool to monitor the traffic that reaches their instances, to profile network traffic, and to look for abnormal traffic behaviors.

For more information on AWS Security, please visit the following URL: <https://aws.amazon.com/answers/networking/vpc-security-capabilities>

The correct answer is: Use VPC Flow logs to diagnose the traffic Submit your Feedback/Queries to our Experts

**NEW QUESTION 36**

Which of the following is not a best practice for carrying out a security audit? Please select:

- A. Conduct an audit on a yearly basis
- B. Conduct an audit if application instances have been added to your account
- C. Conduct an audit if you ever suspect that an unauthorized person might have accessed your account
- D. Whenever there are changes in your organization

**Answer:** A

**Explanation:**

A year's time is generally too long a gap for conducting security audits The AWS Documentation mentions the following

You should audit your security configuration in the following situations: On a periodic basis.

If there are changes in your organization, such as people leaving.

If you have stopped using one or more individual AWS services. This is important for removing permissions that users in your account no longer need.

If you've added or removed software in your accounts, such as applications on Amazon EC2 instances, AWS OpsWorks stacks, AWS CloudFormation templates, etc.

If you ever suspect that an unauthorized person might have accessed your account.

Option B, C and D are all the right ways and recommended best practices when it comes to conducting audits For more information on Security Audit guideline, please visit the below URL: <https://docs.aws.amazon.com/general/latest/gr/aws-security-audit-guide.html>

The correct answer is: Conduct an audit on a yearly basis Submit your Feedback/Queries to our Experts

**NEW QUESTION 40**

Which of the following is used as a secure way to log into an EC2 Linux Instance? Please select:

- A. IAM User name and password
- B. Key pairs
- C. AWS Access keys
- D. AWS SDK keys

**Answer:** B

**Explanation:**

The AWS Documentation mentions the following

Key pairs consist of a public key and a private key. You use the private key to create a digital signature, and then AWS uses the corresponding public key to validate the signature. Key pairs are used only for Amazon EC2 and Amazon CloudFront.

Option A,C and D are all wrong because these are not used to log into EC2 Linux Instances For more information on AWS Security credentials, please visit the below URL: <https://docs.aws.amazon.com/general/latest/er/aws-sec-cred-types.html>

The correct answer is: Key pairs

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**NEW QUESTION 41**

You have setup a set of applications across 2 VPC's. You have also setup VPC Peering. The applications are still not able to communicate across the Peering connection. Which network troubleshooting steps should be taken to resolve the issue?

Please select:

- A. Ensure the applications are hosted in a public subnet
- B. Check to see if the VPC has an Internet gateway attached.
- C. Check to see if the VPC has a NAT gateway attached.
- D. Check the Route tables for the VPC's

**Answer:** D

**Explanation:**

After the VPC peering connection is established, you need to ensure that the route tables are modified to ensure traffic can between the VPCs

Option A ,B and C are invalid because allowing access the Internet gateway and usage of public subnets can help for Internet access, but not for VPC Peering.

For more information on VPC peering routing, please visit the below URL:

<https://docs.aws.amazon.com/VPC/latest/Peering>

The correct answer is: Check the Route tables for the VPCs Submit your Feedback/Queries to our Experts

**NEW QUESTION 46**



A company requires that data stored in AWS be encrypted at rest. Which of the following approaches achieve this requirement? Select 2 answers from the options given below.  
Please select:

- A. When storing data in Amazon EBS, use only EBS-optimized Amazon EC2 instances.
- B. When storing data in EBS, encrypt the volume by using AWS KMS.
- C. When storing data in Amazon S3, use object versioning and MFA Delete.
- D. When storing data in Amazon EC2 Instance Store, encrypt the volume by using KMS.
- E. When storing data in S3, enable server-side encryption

**Answer:** BE

**Explanation:**

The AWS Documentation mentions the following

To create an encrypted Amazon EBS volume, select the appropriate box in the Amazon EBS section of the Amazon EC2 console. You can use a custom customer master key (CMK) by choosing one from the list that appears below the encryption box. If you do not specify a custom CMK, Amazon EBS uses the AWS-managed CMK for Amazon EBS in your account. If there is no AWS-managed CMK for Amazon EBS in your account, Amazon EBS creates one.

Data protection refers to protecting data while in-transit (as it travels to and from Amazon S3) and at rest (while it is stored on disks in Amazon S3 data centers).

You can protect data in transit by using

SSL or by using client-side encryption. You have the following options of protecting data at rest in Amazon S3.

- Use Server-Side Encryption - You request Amazon S3 to encrypt your object before saving it on disks in its data centers and decrypt it when you download the objects.
- Use Client-Side Encryption - You can encrypt data client-side and upload the encrypted data to Amazon S3. In this case, you manage the encryption process, the encryption keys, and related tools. Option A is invalid because using EBS-optimized Amazon EC2 instances alone will not guarantee protection of instances at rest. Option C is invalid because this will not encrypt data at rest for S3 objects. Option D is invalid because you don't store data in Instance store. For more information on EBS encryption, please visit the below URL: <https://docs.aws.amazon.com/kms/latest/developerguide/services-ebs.html>

For more information on S3 encryption, please visit the below URL: <https://docs.aws.amazon.com/AmazonS3/latest/dev/UsinEEncryption.html>

The correct answers are: When storing data in EBS, encrypt the volume by using AWS KMS. When storing data in S3, enable server-side encryption.

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**NEW QUESTION 49**

Every application in a company's portfolio has a separate AWS account for development and production. The security team wants to prevent the root user and all 1AM users in the production accounts from accessing a specific set of unneeded services. How can they control this functionality? Please select:

- A. Create a Service Control Policy that denies access to the service
- B. Assemble all production accounts in an organizational unit
- C. Apply the policy to that organizational unit.
- D. Create a Service Control Policy that denies access to the service
- E. Apply the policy to the root account.
- F. Create an 1AM policy that denies access to the service
- G. Associate the policy with an 1AM group and enlist all users and the root users in this group.
- H. Create an 1AM policy that denies access to the service
- I. Create a Config Rule that checks that all users have the policy m assigne
- J. Trigger a Lambda function that adds the policy when found missing.

**Answer:** A

**Explanation:**

As an administrator of the master account of an organization, you can restrict which AWS services and individual API actions the users and roles in each member account can access. This restriction even overrides the administrators of member accounts in the organization. When AWS Organizations blocks access to a service or API action for a member account a user or role in that account can't access any prohibited service or API action, even if an administrator of a member account explicitly grants such permissions in an 1AM policy. Organization permissions overrule account permissions. Option B is invalid because service policies cannot be assigned to the root account at the account level.

Option C and D are invalid because 1AM policies alone at the account level would not be able to suffice the requirement

For more information, please visit the below URL [id=docs\\_orgs\\_console https://docs.aws.amazon.com/IAM/latest/UserGi manage attach-policy.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/manage-attach-policy.html)

The correct answer is: Create a Service Control Policy that denies access to the services. Assemble all production accounts in an organizational unit. Apply the policy to that organizational unit

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**NEW QUESTION 50**

A company is deploying a new web application on AWS. Based on their other web applications, they anticipate being the target of frequent DDoS attacks. Which steps can the company use to protect their application? Select 2 answers from the options given below.

Please select:

- A. Associate the EC2 instances with a security group that blocks traffic from blacklisted IP addresses.
- B. Use an ELB Application Load Balancer and Auto Scaling group to scale to absorb application layer traffic.
- C. Use Amazon Inspector on the EC2 instances to examine incoming traffic and discard malicious traffic.
- D. Use CloudFront and AWS WAF to prevent malicious traffic from reaching the application
- E. Enable GuardDuty to block malicious traffic from reaching the application

**Answer:** BD

**Explanation:**

The below diagram from AWS shows the best case scenario for avoiding DDos attacks using services such as AWS Cloudfro WAF, ELB and Autoscaling

Option A is invalid because by default security groups don't allow access Option C is invalid because AWS Inspector cannot be used to examine traffic

Option E is invalid because this can be used for attacks on EC2 Instances but not against DDos attacks on the entire application For more information on DDos mitigation from AWS, please visit the below URL:

<https://aws.amazon.com/answers/networking/aws-ddos-attack-mitieationi>

The correct answers are: Use an ELB Application Load Balancer and Auto Scaling group to scale to absorb application layer traffic., Use CloudFront and AWS WAF to prevent malicious traffic from reaching the application  
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**NEW QUESTION 53**

You are working in the media industry and you have created a web application where users will be able to upload photos they create to your website. This web application must be able to call the S3 API in order to be able to function. Where should you store your API credentials whilst maintaining the maximum level of security?

Please select:

- A. Save the API credentials to your PHP files.
- B. Don't save your API credentials, instead create a role in IAM and assign this role to an EC2 instance when you first create it.
- C. Save your API credentials in a public Github repository.
- D. Pass API credentials to the instance using instance userdata

**Answer: B**

**Explanation:**

Applications must sign their API requests with AWS credentials. Therefore, if you are an application developer, you need a strategy for managing credentials for your applications that run on EC2 instances. For example, you can securely distribute your AWS credentials to the instances, enabling the applications on those instances to use your credentials to sign requests, while protecting your credentials from other users. However, it's challenging to securely distribute credentials to each instance, especially those that AWS creates on your behalf, such as Spot Instances or instances in Auto Scaling groups. You must also be able to update the credentials on each instance when you rotate your AWS credentials.

IAM roles are designed so that your applications can securely make API requests from your instances, without requiring you to manage the security credentials that the applications use.

Option A, C and D are invalid because using AWS Credentials in an application in production is a direct no recommendation 1 secure access

For more information on IAM Roles, please visit the below URL: <http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/iam-roles-for-amazon-ec2.html>

The correct answer is: Don't save your API credentials. Instead create a role in IAM and assign this role to an EC2 instance when you first create it

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**NEW QUESTION 57**

A company has a set of resources defined in AWS. It is mandated that all API calls to the resources be monitored. Also all API calls must be stored for lookup purposes. Any log data greater than 6 months must be archived. Which of the following meets these requirements? Choose 2 answers from the options given below. Each answer forms part of the solution.

Please select:

- A. Enable CloudTrail logging in all accounts into S3 buckets
- B. Enable CloudTrail logging in all accounts into Amazon Glacier
- C. Ensure a lifecycle policy is defined on the S3 bucket to move the data to EBS volumes after 6 months.
- D. Ensure a lifecycle policy is defined on the S3 bucket to move the data to Amazon Glacier after 6 months.

**Answer: AD**

**Explanation:**

CloudTrail publishes the trail of API logs to an S3 bucket

Option B is invalid because you cannot put the logs into Glacier from CloudTrail

Option C is invalid because lifecycle policies cannot be used to move data to EBS volumes For more information on CloudTrail logging, please visit the below URL:

<https://docs.aws.amazon.com/awscloudtrail/latest/userguide/cloudtrail-find-log-files.html>

You can then use Lifecycle policies to transfer data to Amazon Glacier after 6 months For more information on S3 lifecycle policies, please visit the below URL:

<https://docs.aws.amazon.com/AmazonS3/latest/dev/object-lifecycle-mgmt.html>

The correct answers are: Enable CloudTrail logging in all accounts into S3 buckets. Ensure a lifecycle policy is defined on the bucket to move the data to Amazon Glacier after 6 months.

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**NEW QUESTION 59**

You have a set of Keys defined using the AWS KMS service. You want to stop using a couple of keys, but are not sure of which services are currently using the keys. Which of the following would be a

safe option to stop using the keys from further usage. Please select:

- A. Delete the keys since anyway there is a 7 day waiting period before deletion
- B. Disable the keys
- C. Set an alias for the key
- D. Change the key material for the key

**Answer: B**

**Explanation:**

Option A is invalid because once you schedule the deletion and waiting period ends, you cannot come back from the deletion process.

Option C and D are invalid because these will not check to see if the keys are being used or not The AWS Documentation mentions the following

Deleting a customer master key (CMK) in AWS Key Management Service (AWS KMS) is destructive and potentially dangerous. It deletes the key material and all metadata associated with the CMK, and is irreversible. After a CMK is deleted you can no longer decrypt the data that was encrypted under that CMK, which means that data becomes unrecoverable. You should delete a CMK only when you are sure that you don't need to use it anymore. If you are not sure, consider disabling the CMK

instead of deleting it. You can re-enable a disabled CMK if you need to use it again later, but you cannot recover a deleted CMK.

For more information on deleting keys from KMS, please visit the below URL: <https://docs.aws.amazon.com/kms/latest/developerguide/deleting-keys.html>

The correct answer is: Disable the keys Submit your Feedback/Queries to our Experts

**NEW QUESTION 60**

Your company makes use of S3 buckets for storing data

- A. There is a company policy that all services should have logging enable
- B. How can you ensure that logging is always enabled for created S3 buckets in the AWS Account? Please select:
- C. Use AWS Inspector to inspect all S3 buckets and enable logging for those where it is not enabled
- D. Use AWS Config Rules to check whether logging is enabled for buckets
- E. Use AWS Cloudwatch metrics to check whether logging is enabled for buckets
- F. Use AWS Cloudwatch logs to check whether logging is enabled for buckets

**Answer:** B

**Explanation:**

This is given in the AWS Documentation as an example rule in AWS Config Example rules with triggers

Example rule with configuration change trigger

1. You add the AWS Config managed rule, S3\_BUCKET\_LOGGING\_ENABLED, to your account to check whether your Amazon S3 buckets have logging enabled.
2. The trigger type for the rule is configuration changes. AWS Config runs the evaluations for the rule when an Amazon S3 bucket is created, changed, or deleted.
3. When a bucket is updated, the configuration change triggers the rule and AWS Config evaluates whether the bucket is compliant against the rule.

Option A is invalid because AWS Inspector cannot be used to scan all buckets

Option C and D are invalid because Cloudwatch cannot be used to check for logging enablement for buckets.

For more information on Config Rules please see the below Link: <https://docs.aws.amazon.com/config/latest/developerguide/evaluate-config-rules.html>

The correct answer is: Use AWS Config Rules to check whether logging is enabled for buckets Submit your Feedback/Queries to our Experts

**NEW QUESTION 65**

A company has external vendors that must deliver files to the company. These vendors have crossaccount that gives them permission to upload objects to one of the company's S3 buckets.

What combination of steps must the vendor follow to successfully deliver a file to the company? Select 2 answers from the options given below

Please select:

- A. Attach an IAM role to the bucket that grants the bucket owner full permissions to the object
- B. Add a grant to the objects ACL giving full permissions to bucket owner.
- C. Encrypt the object with a KMS key controlled by the company.
- D. Add a bucket policy to the bucket that grants the bucket owner full permissions to the object
- E. Upload the file to the company's S3 bucket

**Answer:** BE

**Explanation:**

This scenario is given in the AWS Documentation

A bucket owner can enable other AWS accounts to upload objects. These objects are owned by the accounts that created them. The bucket owner does not own objects that were not created by the bucket owner. Therefore, for the bucket owner to grant access to these objects, the object owner must first grant permission to the bucket owner using an object ACL. The bucket owner can then delegate those permissions via a bucket policy. In this example, the bucket owner delegates permission to users in its own account.

Option A and D are invalid because bucket ACL's are used to give grants to bucket Option C is not required since encryption is not part of the requirement For more information on this scenario please see the below Link:

<https://docs.aws.amazon.com/AmazonS3/latest/dev/example-walkthroughs-managing-accessesexample3.html>

The correct answers are: Add a grant to the objects ACL giving full permissions to bucket owner., Upload the file to the company's S3 bucket

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**NEW QUESTION 70**

An application running on EC2 instances in a VPC must access sensitive data in the data center. The access must be encrypted in transit and have consistent low latency. Which hybrid architecture will meet these requirements?

Please select:

- A. Expose the data with a public HTTPS endpoint.
- B. A VPN between the VPC and the data center over a Direct Connect connection
- C. A VPN between the VPC and the data center.
- D. A Direct Connect connection between the VPC and data center

**Answer:** B

**Explanation:**

Since this is required over a consistency low latency connection, you should use Direct Connect. For encryption, you can make use of a VPN

Option A is invalid because exposing an HTTPS endpoint will not help all traffic to flow between a VPC and the data center.

Option C is invalid because low latency is a key requirement Option D is invalid because only Direct Connect will not suffice

For more information on the connection options please see the below Link: <https://aws.amazon.com/answers/networking/aws-multiple-vpc-vpn-connection-sharing/>

The correct answer is: A VPN between the VPC and the data center over a Direct Connect connection Submit your Feedback/Queries to our Experts

**NEW QUESTION 71**

A company has several Customer Master Keys (CMK), some of which have imported key material.

Each CMK must be rotated annually.

What two methods can the security team use to rotate each key? Select 2 answers from the options given below

Please select:

- A. Enable automatic key rotation for a CMK
- B. Import new key material to an existing CMK
- C. Use the CLI or console to explicitly rotate an existing CMK
- D. Import new key material to a new CMK; Point the key alias to the new CMK.
- E. Delete an existing CMK and a new default CMK will be create

**Answer:** AD



**Explanation:**

The AWS Documentation mentions the following

Automatic key rotation is available for all customer managed CMKs with KMS-generated key material. It is not available for CMKs that have imported key material (the value of the Origin field is External), but you can rotate these CMKs manually.

Rotating Keys Manually

You might want to create a new CMK and use it in place of a current CMK instead of enabling automatic key rotation. When the new CMK has different cryptographic material than the current CMK, using the new CMK has the same effect as changing the backing key in an existing CMK. The process of replacing one CMK with another is known as manual key rotation.

When you begin using the new CMK, be sure to keep the original CMK enabled so that AWS KMS can decrypt data that the original CMK encrypted. When decrypting data, KMS identifies the CMK that was used to encrypt the data, and it uses the same CMK to decrypt the data.

A. As long as you keep both

the original and new CMKs enabled, AWS KMS can decrypt any data that was encrypted by either CMK.

Option B is invalid because you also need to point the key alias to the new key. Option C is invalid because existing CMK keys cannot be rotated as they are

Option E is invalid because deleting existing keys will not guarantee the creation of a new default CMK key.

For more information on Key rotation please see the below Link: <https://docs.aws.amazon.com/kms/latest/developerguide/rotate-keys.html>

The correct answers are: Enable automatic key rotation for a CMK, Import new key material to a new CMK; Point the key alias to the new CMK.

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**NEW QUESTION 72**

A new application will be deployed on EC2 instances in private subnets. The application will transfer sensitive data to and from an S3 bucket. Compliance requirements state that the data must not traverse the public internet. Which solution meets the compliance requirement?

Please select:

A. Access the S3 bucket through a proxy server

B. Access the S3 bucket through a NAT gateway.

C. Access the S3 bucket through a VPC endpoint for S3

D. Access the S3 bucket through the SSL protected S3 endpoint

**Answer: C**

**Explanation:**

The AWS Documentation mentions the following

A VPC endpoint enables you to privately connect your VPC to supported AWS services and VPC endpoint services powered by PrivateLink without requiring an internet gateway, NAT device, VPN connection, or AWS Direct Connect connection. Instances in your VPC do not require public IP addresses to communicate with resources in the service. Traffic between your VPC and the other service does not leave the Amazon network.

Option A is invalid because using a proxy server is not sufficient enough

Option B and D are invalid because you need secure communication which should not traverse the internet

For more information on VPC endpoints please see the below link <https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-endpoints.html>

The correct answer is: Access the S3 bucket through a VPC endpoint for S3. Submit your Feedback/Queries to our Experts

**NEW QUESTION 77**

Your current setup in AWS consists of the following architecture. 2 public subnets, one subnet which has the web servers accessed by users across the internet and the other subnet for the database server. Which of the following changes to the architecture would add a better security boundary to the resources hosted in your setup?

Please select:

A. Consider moving the web server to a private subnet

B. Consider moving the database server to a private subnet

C. Consider moving both the web and database server to a private subnet

D. Consider creating a private subnet and adding a NAT instance to that subnet

**Answer: B**

**Explanation:**

The ideal setup is to ensure that the web server is hosted in the public subnet so that it can be accessed by users on the internet. The database server can be hosted in the private subnet. The below diagram from the AWS Documentation shows how this can be setup

Option A and C are invalid because if you move the web server to a private subnet, then it cannot be accessed by users. Option D is invalid because NAT instances should be present in the public subnet. For more information on public and private subnets in AWS, please visit the following url [https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC\\_Scenario2.html](https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Scenario2.html)

The correct answer is: Consider moving the database server to a private subnet. Submit your Feedback/Queries to our Experts

**NEW QUESTION 80**

Your company has confidential documents stored in the simple storage service. Due to compliance requirements, you have to ensure that the data in the S3 bucket is available in a different geographical location. As an architect, what is the change you would make to comply with this requirement?

Please select:

A. Apply Multi-AZ for the underlying S3 bucket

B. Copy the data to an EBS Volume in another Region

C. Create a snapshot of the S3 bucket and copy it to another region

D. Enable Cross region replication for the S3 bucket

**Answer: D**

**Explanation:**

This is mentioned clearly as a use case for S3 cross-region replication

You might configure cross-region replication on a bucket for various reasons, including the following:

- Compliance requirements - Although, by default Amazon S3 stores your data across multiple geographically distant Availability Zones, compliance requirements might dictate that you store data at even further distances. Cross-region replication allows you to replicate data between distant AWS Regions to satisfy these compliance requirements.

Option A is invalid because Multi-AZ cannot be used to S3 buckets

Option B is invalid because copying it to an EBS volume is not a recommended practice Option C is invalid because creating snapshots is not possible in S3

For more information on S3 cross-region replication, please visit the following URL: <https://docs.aws.amazon.com/AmazonS3/latest/dev/crr.html>

The correct answer is: Enable Cross region replication for the S3 bucket Submit your Feedback/Queries to our Experts

#### NEW QUESTION 84

A company hosts data in S3. There is a requirement to control access to the S3 buckets. Which are the 2 ways in which this can be achieved?

Please select:

- A. Use Bucket policies
- B. Use the Secure Token service
- C. Use IAM user policies
- D. Use AWS Access Keys

**Answer:** AC

#### Explanation:

The AWS Documentation mentions the following

Amazon S3 offers access policy options broadly categorized as resource-based policies and user policies. Access policies you attach to your resources (buckets and objects) are referred to as

resource-based policies. For example, bucket policies and access control lists (ACLs) are resourcebased policies. You can also attach access policies to users in your account. These are called user

policies. You may choose to use resource-based policies, user policies, or some combination of these to manage permissions to your Amazon S3 resources.

Option B and D are invalid because these cannot be used to control access to S3 buckets For more information on S3 access control, please refer to the below

Link: <https://docs.aws.amazon.com/AmazonS3/latest/dev/s3-access-control.html>

The correct answers are: Use Bucket policies. Use IAM user policies Submit your Feedback/Queries to our Experts

#### NEW QUESTION 86

You are responsible to deploying a critical application onto AWS. Part of the requirements for this application is to ensure that the controls set for this application met PCI compliance. Also there is a need to monitor web application logs to identify any malicious activity. Which of the following services can be used to fulfil this requirement. Choose 2 answers from the options given below Please select:

- A. Amazon Cloudwatch Logs
- B. Amazon VPC Flow Logs
- C. Amazon AWS Config
- D. Amazon Cloudtrail

**Answer:** AD

#### Explanation:

The AWS Documentation mentions the following about these services

AWS CloudTrail is a service that enables governance, compliance, operational auditing, and risk auditing of your AWS account. With CloudTrail, you can log, continuously monitor, and retain account activity related to actions across your AWS infrastructure. CloudTrail provides event history of your AWS account activity, including actions taken through the AWS Management Console, AWS SDKs, command line tools, and other AWS services. This event history simplifies security analysis, resource change tracking, and troubleshooting.

Option B is incorrect because VPC flow logs can only check for flow to instances in a VPC Option C is incorrect because this can check for configuration changes only

For more information on Cloudtrail, please refer to below URL: <https://aws.amazon.com/cloudtrail>;

You can use Amazon CloudWatch Logs to monitor, store, and access your log files from Amazon Elastic Compute Cloud (Amazon EC2) instances, AWS

CloudTrail, Amazon Route 53, and other sources. You can then retrieve the associated log data from CloudWatch Logs.

For more information on Cloudwatch logs, please refer to below URL: <http://docs.aws.amazon.com/AmazonCloudWatch/latest/loes/WhatIsCloudWatchLoES.html>

The correct answers are: Amazon Cloudwatch Logs, Amazon Cloudtrail

#### NEW QUESTION 91

Company policy requires that all insecure server protocols, such as FTP, Telnet, HTTP, etc be disabled on all servers. The security team would like to regularly check all servers to ensure compliance with this requirement by using a scheduled CloudWatch event to trigger a review of the current infrastructure. What process will check compliance of the company's EC2 instances?

Please select:

- A. Trigger an AWS Config Rules evaluation of the restricted-common-ports rule against every EC2 instance.
- B. Query the Trusted Advisor API for all best practice security checks and check for "action recommended" status.
- C. Enable a GuardDuty threat detection analysis targeting the port configuration on every EC2 instance.
- D. Run an Amazon inspector assessment using the Runtime Behavior Analysis rules package against every EC2 instance.

**Answer:** D

#### Explanation:

Option B is incorrect because querying Trusted Advisor API's are not possible

Option C is incorrect because GuardDuty should be used to detect threats and not check the compliance of security protocols.

Option D states that Run Amazon Inspector using runtime behavior analysis rules which will analyze the behavior of your instances during an assessment run, and provide guidance about how to make your EC2 instances more secure.

Insecure Server Protocols

This rule helps determine whether your EC2 instances allow support for insecure and unencrypted ports/services such as FTP, Telnet HTTP, IMAP, POP version 3, SMTP, SNMP versions 1 and 2, rsh, and rlogin.

For more information, please refer to below URL: [https://docs.aws.amazon.com/inspector/latest/userguide/inspector\\_runtime-behavioranalysis.html#insecure-protocols](https://docs.aws.amazon.com/inspector/latest/userguide/inspector_runtime-behavioranalysis.html#insecure-protocols)

(

The correct answer is: Run an Amazon Inspector assessment using the Runtime Behavior Analysis rules package against every EC2 instance.

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**NEW QUESTION 94**

A web application runs in a VPC on EC2 instances behind an ELB Application Load Balancer. The application stores data in an RDS MySQL DB instance. A Linux bastion host is used to apply schema updates to the database - administrators connect to the host via SSH from a corporate workstation. The following security groups are applied to the infrastructure-

\* sgLB - associated with the ELB

\* sgWeb - associated with the EC2 instances.

\* sgDB - associated with the database

\* sgBastion - associated with the bastion host Which security group configuration will allow the application to be secure and functional?

Please select: A.

sgLB :allow port 80 and 443 traffic from 0.0.0.0/0 sgWeb :allow port 80 and 443 traffic from 0.0.0.0/0 sgDB :allow port 3306 traffic from sgWeb and sgBastion

sgBastion: allow port 22 traffic from the corporate IP address range

B.

sgLB :allow port 80 and 443 traffic from 0.0.0.0/0 sgWeb :allow port 80 and 443 traffic from sgLB sgDB :allow port 3306 traffic from sgWeb and sgLB

sgBastion: allow port 22 traffic from the VPC IP address range C.

sgLB :allow port 80 and 443 traffic from 0.0.0.0/0 sgWeb :allow port 80 and 443 traffic from sgLB

sgDB :allow port 3306 traffic from sgWeb and sgBastion sgBastion: allow port 22 traffic from the VPC IP address range D.

sgLB :allow port 80 and 443 traffic from 0.0.0.0/0 sgWeb :allow port 80 and 443 traffic from sgLB

sgDB :allow port 3306 traffic from sgWeb and sgBastion sgBastion: allow port 22 traffic from the corporate IP address range

A.

**Answer: D**

**Explanation:**

The Load Balancer should accept traffic on port 80 and 443 traffic from 0.0.0.0/0 The backend EC2 Instances should accept traffic from the Load Balancer

The database should allow traffic from the Web server

And the Bastion host should only allow traffic from a specific corporate IP address range Option A is incorrect because the Web group should only allow traffic from the Load balancer For more information on AWS Security Groups, please refer to below URL: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/usins-network-security.html>

The correct answer is: sgLB :allow port 80 and 443 traffic from 0.0.0.0/0 sgWeb :allow port 80 and 443 traffic from sgLB

sgDB :allow port 3306 traffic from sgWeb and sgBastion sgBastion: allow port 22 traffic from the corporate IP address range Submit your Feedback/Queries to our Experts

**NEW QUESTION 99**

A company is planning on extending their on-premise AWS Infrastructure to the AWS Cloud. They need to have a solution that would give core benefits of traffic encryption and ensure latency is kept to a minimum. Which of the following would help fulfil this requirement? Choose 2 answers from the options given below Please select:

A. AWS VPN

B. AWS VPC Peering

C. AWS NAT gateways

D. AWS Direct Connect

**Answer: AD**

**Explanation:**

The AWS Document mention the following which supports the requirement

Option B is invalid because VPC peering is only used for connection between VPCs and cannot be used to connect On-premise infrastructure to the AWS Cloud. Option C is invalid because NAT gateways is used to connect instances in a private subnet to the internet For more information on VPN Connections, please visit the following url <https://docs.aws.amazon.com/AmazonVPC/latest/UserGuideA/pn-connections.html>

The correct answers are: AWS VPN, AWS Direct Connect Submit your Feedback/Queries to our Experts

**NEW QUESTION 100**

A windows machine in one VPC needs to join the AD domain in another VPC. VPC Peering has been established. But the domain join is not working. What is the other step that needs to be followed to ensure that the AD domain join can work as intended

Please select:

A. Change the VPC peering connection to a VPN connection

B. Change the VPC peering connection to a Direct Connect connection

C. Ensure the security groups for the AD hosted subnet has the right rule for relevant subnets

D. Ensure that the AD is placed in a public subnet

**Answer: C**

**Explanation:**

In addition to VPC peering and setting the right route tables, the security groups for the AD EC2 instance needs to ensure the right rules are put in place for allowing incoming traffic.

Option A and B is invalid because changing the connection type will not help. This is a problem with the Security Groups.

Option D is invalid since the AD should not be placed in a public subnet

For more information on allowing ingress traffic for AD, please visit the following url

<https://docs.aws.amazon.com/quickstart/latest/active-directory-ds/ingress.html>

The correct answer is: Ensure the security groups for the AD hosted subnet has the right rule for relevant subnets Submit your Feedback/Queries to our Experts

**NEW QUESTION 103**

You need to have a cloud security device which would allow to generate encryption keys based on FIPS 140-2 Level 3. Which of the following can be used for this purpose.

Please select:

A. AWS KMS

- B. AWS Customer Keys
- C. AWS managed keys
- D. AWS Cloud HSM

**Answer:** AD

**Explanation:**

AWS Key Management Service (KMS) now uses FIPS 140-2 validated hardware security modules (HSM) and supports FIPS 140-2 validated endpoints, which provide independent assurances about the confidentiality and integrity of your keys.

All master keys in AWS KMS regardless of their creation date or origin are automatically protected using FIPS 140-2 validated HSMs. defines four levels of security, simply named "Level 1" to "Level 4". It does not specify in detail what level of security is required by any particular application.

- FIPS 140-2 Level 1 the lowest, imposes very limited requirements; loosely, all components must be "production-grade" and various egregious kinds of insecurity must be absent
- FIPS 140-2 Level 2 adds requirements for physical tamper-evidence and role-based authentication.
- FIPS 140-2 Level 3 adds requirements for physical tamper-resistance (making it difficult for attackers to gain access to sensitive information contained in the module) and identity-based authentication, and for a physical or logical separation between the interfaces by which "critical security parameters" enter and leave the module, and its other interfaces.
- FIPS 140-2 Level 4 makes the physical security requirements more stringent and requires robustness against environmental attacks.

AWS CloudHSM provides you with a FIPS 140-2 Level 3 validated single-tenant HSM cluster in your Amazon Virtual Private Cloud (VPC) to store and use your keys. You have exclusive control over how your keys are used via an authentication mechanism independent from AWS. You interact with keys in your AWS CloudHSM cluster similar to the way you interact with your applications running in Amazon EC2.

AWS KMS allows you to create and control the encryption keys used by your applications and supported AWS services in multiple regions around the world from a single console. The service uses a FIPS 140-2 validated HSM to protect the security of your keys. Centralized management of all your keys in AWS KMS lets you enforce who can use your keys under which conditions, when they get rotated, and who can manage them.

AWS KMS HSMs are validated at level 2 overall and at level 3 in the following areas:

- Cryptographic Module Specification
- Roles, Services, and Authentication
- Physical Security
- Design Assurance

So I think that we can have 2 answers for this question. Both A & D.

- <https://aws.amazon.com/blogs/security/aws-key-management-service-now-offers-fips-140-2-validated-cryptographic-modules-enabling-easier-adoption-of-the-service-for-regulated-workloads/>
- <https://aws.amazon.com/cloudhsm/faqs/>
- <https://aws.amazon.com/kms/faqs/>
- <https://en.wikipedia.org/wiki/RPSS>

The AWS Documentation mentions the following

AWS CloudHSM is a cloud-based hardware security module (HSM) that enables you to easily generate and use your own encryption keys on the AWS Cloud.

With CloudHSM, you can manage your own encryption keys using FIPS 140-2 Level 3 validated HSMs. CloudHSM offers you the flexibility to integrate with your applications using industry-standard APIs, such as PKCS#11, Java

Cryptography Extensions (JCE), and Microsoft CryptoNG (CNG) libraries. CloudHSM is also standards-compliant and enables you to export all of your keys to most other commercially-available HSMs. It is a fully-managed service that automates time-consuming administrative tasks for you, such as hardware provisioning, software patching, high-availability, and backups. CloudHSM also enables you to scale quickly by adding and removing HSM capacity on-demand, with no up-front costs.

All other options are invalid since AWS Cloud HSM is the prime service that offers FIPS 140-2 Level 3 compliance

For more information on CloudHSM, please visit the following url <https://aws.amazon.com/cloudhsm/>;

The correct answers are: AWS KMS, AWS Cloud HSM Submit your Feedback/Queries to our Experts

**NEW QUESTION 105**

You need to have a requirement to store objects in an S3 bucket with a key that is automatically managed and rotated. Which of the following can be used for this purpose?

Please select:

- A. AWS KMS
- B. AWS S3 Server side encryption
- C. AWS Customer Keys
- D. AWS Cloud HSM

**Answer:** B

**Explanation:**

The AWS Documentation mentions the following

Server-side encryption protects data at rest. Server-side encryption with Amazon S3-managed encryption keys (SSE-S3) uses strong multi-factor encryption.

Amazon S3 encrypts each object with a unique key. As an additional safeguard, it encrypts the key itself with a master key that it rotates regularly. Amazon S3 server-side encryption uses one of the strongest block ciphers available, 256-bit Advanced Encryption Standard (AES-256), to encrypt your data.

All other options are invalid since here you need to ensure the keys are manually rotated since you manage the entire key set Using AWS S3 Server side encryption, AWS will manage the rotation of keys automatically.

For more information on Server side encryption, please visit the following URL:

<https://docs.aws.amazon.com/AmazonS3/latest/dev/UsingServerSideEncryption.html>

The correct answer is: AWS S3 Server side encryption Submit your Feedback/Queries to our Experts

**NEW QUESTION 109**

You need to inspect the running processes on an EC2 Instance that may have a security issue. How can you achieve this in the easiest way possible. Also you need to ensure that the process does not interfere with the continuous running of the instance.

Please select:

- A. Use AWS Cloudtrail to record the processes running on the server to an S3 bucket.
- B. Use AWS Cloudwatch to record the processes running on the server
- C. Use the SSM Run command to send the list of running processes information to an S3 bucket.
- D. Use AWS Config to see the changed process information on the server

**Answer:** C

**Explanation:**

The SSM Run command can be used to send OS specific commands to an Instance. Here you can check and see the running processes on an instance and then send the output to an S3 bucket. Option A is invalid because this is used to record API activity and cannot be used to record running processes.

Option B is invalid because Cloudwatch is a logging and metric service and cannot be used to record running processes.

Option D is invalid because AWS Config is a configuration service and cannot be used to record running processes.

For more information on the Systems Manager Run command, please visit the following URL: [https://docs.aws.amazon.com/systems-](https://docs.aws.amazon.com/systems-manager/latest/userguide/execute-remote-commands.html)

[manaEer/latest/userguide/execute-remote-commands.html](https://docs.aws.amazon.com/systems-manager/latest/userguide/execute-remote-commands.html) The correct answer is: Use the SSM Run command to send the list of running processes information to an S3 bucket. Submit your Feedback/Queries to our Experts

**NEW QUESTION 112**

You are trying to use the Systems Manager to patch a set of EC2 systems. Some of the systems are not getting covered in the patching process. Which of the following can be used to troubleshoot the issue? Choose 3 answers from the options given below.

Please select:

- A. Check to see if the right role has been assigned to the EC2 instances
- B. Check to see if the 1AM user has the right permissions for EC2
- C. Ensure that agent is running on the instances.
- D. Check the Instance status by using the Health AP

**Answer:** ACD

**Explanation:**

For ensuring that the instances are configured properly you need to ensure the followi .

1) You installed the latest version of the SSM Agent on your instance

2) Your instance is configured with an AWS Identity and Access Management (1AM) role that enables the instance to communicate with the Systems Manager API

3) You can use the Amazon EC2 Health API to quickly determine the following information about Amazon EC2 instances The status of one or more instances

The last time the instance sent a heartbeat value The version of the SSM Agent

The operating system

The version of the EC2Config service (Windows) The status of the EC2Config service (Windows)

Option B is invalid because 1AM users are not supposed to be directly granted permissions to EC2 Instances For more information on troubleshooting AWS SSM, please visit the following URL: <https://docs.aws.amazon.com/systems-manager/latest/userguide/troubleshooting-remotecommands.html>

The correct answers are: Check to see if the right role has been assigned to the EC2 Instances, Ensure that agent is running on the Instances., Check the Instance status by using the Health API.

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**NEW QUESTION 115**

You work as an administrator for a company. The company hosts a number of resources using AWS. There is an incident of a suspicious API activity which occurred 11 days ago. The Security Admin has asked to get the API activity from that point in time. How can this be achieved?

Please select:

- A. Search the Cloud Watch logs to find for the suspicious activity which occurred 11 days ago
- B. Search the Cloudtrail event history on the API events which occurred 11 days ago.
- C. Search the Cloud Watch metrics to find for the suspicious activity which occurred 11 days ago
- D. Use AWS Config to get the API calls which were made 11 days ag

**Answer:** B

**Explanation:**

The Cloud Trail event history allows to view events which are recorded for 90 days. So one can use a metric filter to gather the API calls from 11 days ago.

Option A and C is invalid because Cloudwatch is used for logging and not for monitoring API activity Option D is invalid because AWSConfig is a configuration service and not for monitoring API activity For more information on AWS Cloudtrail, please visit the following URL:

<https://docs.aws.amazon.com/awscloudtrail/latest/userguide/how-cloudtrail-works.html>

Note:

In this question we assume that the customer has enabled cloud trail service.

AWS CloudTrail is enabled by default for ALL CUSTOMERS and will provide visibility into the past seven days of account activity without the need for you to configure a trail in the service to get started. So for an activity that happened 11 days ago to be stored in the cloud trail we need to configure the trail manually to ensure that it is stored in the events history.

• <https://aws.amazon.com/blogs/aws/new-amazon-web-services-extends-cloudtrail-to-all-awscustomers/> The correct answer is: Search the Cloudtrail event history on the API events which occurred 11 days ago.

**NEW QUESTION 116**

A company had developed an incident response plan 18 months ago. Regular implementations of the response plan are carried out. No changes have been made to the response plan have been made since its creation. Which of the following is a right statement with regards to the plan?

Please select:

- A. It places too much emphasis on already implemented security controls.
- B. The response plan is not implemented on a regular basis
- C. The response plan does not cater to new services
- D. The response plan is complete in its entirety

**Answer:** C

**Explanation:**

So definitely the case here is that the incident response plan is not catering to newly created services. AWS keeps on changing and adding new services and hence the response plan must cater to these new services.

Option A and B are invalid because we don't know this for a fact.

Option D is invalid because we know that the response plan is not complete, because it does not cater to new features of AWS



For more information on incident response plan please visit the following URL: <https://aws.amazon.com/blogs/publicsector/buildins-a-cloud-specific-incident-response-plan>; The correct answer is: The response plan does not cater to new services Submit your Feedback/Queries to our Experts

**NEW QUESTION 121**

Your application currently uses customer keys which are generated via AWS KMS in the US east region. You now want to use the same set of keys from the EU-Central region. How can this be accomplished?

Please select:

- A. Export the key from the US east region and import them into the EU-Central region
- B. Use key rotation and rotate the existing keys to the EU-Central region
- C. Use the backing key from the US east region and use it in the EU-Central region
- D. This is not possible since keys from KMS are region specific

**Answer:** D

**Explanation:**

Option A is invalid because keys cannot be exported and imported across regions. Option B is invalid because key rotation cannot be used to export keys  
Option C is invalid because the backing key cannot be used to export keys This is mentioned in the AWS documentation

What geographic region are my keys stored in?

Keys are only stored and used in the region in which they are created. They cannot be transferred to another region. For example; keys created in the EU-Central (Frankfurt) region are only stored and used within the EU-Central (Frankfurt) region

For more information on KMS please visit the following URL: <https://aws.amazon.com/kms/faqs/>

The correct answer is: This is not possible since keys from KMS are region specific Submit your Feedback/Queries to our Experts

**NEW QUESTION 123**

You have a requirement to conduct penetration testing on the AWS Cloud for a couple of EC2 Instances. How could you go about doing this? Choose 2 right answers from the options given below. Please select:

- A. Get prior approval from AWS for conducting the test
- B. Use a pre-approved penetration testing tool.
- C. Work with an AWS partner and no need for prior approval request from AWS
- D. Choose any of the AWS instance type

**Answer:** AB

**Explanation:**

You can use a pre-approved solution from the AWS Marketplace. But till date the AWS Documentation still mentions that you have to get prior approval before conducting a test on the AWS Cloud for EC2 Instances.

Option C and D are invalid because you have to get prior approval first. AWS Docs Provides following details:

"For performing a penetration test on AWS resources first of all we need to take permission from AWS and complete a requisition form and submit it for approval. The form should contain information about the instances you wish to test identify the expected start and end dates/times of your test and requires you to read and agree to Terms and Conditions specific to penetration testing and to the use of appropriate tools for testing. Note that the end date may not be more than 90 days from the start date."

(

At this time, our policy does not permit testing small or micro RDS instance types. Testing of ml

.small, t1 .micro or t2.nano EC2 instance types is not permitted.

For more information on penetration testing please visit the following URL: <https://aws.amazon.com/security/penetration-testing/>

The correct answers are: Get prior approval from AWS for conducting the test Use a pre-approved penetration testing tool. Submit your Feedback/Queries to our Experts

**NEW QUESTION 125**

You are planning on hosting a web application on AWS. You create an EC2 Instance in a public subnet. This instance needs to connect to an EC2 Instance that will host an Oracle database. Which of the following steps should be followed to ensure a secure setup is in place? Select 2 answers.

Please select:

- A. Place the EC2 Instance with the Oracle database in the same public subnet as the Web server for faster communication
- B. Place the EC2 Instance with the Oracle database in a separate private subnet
- C. Create a database security group and ensure the web security group to allowed incoming access
- D. Ensure the database security group allows incoming traffic from 0.0.0.0/0

**Answer:** BC

**Explanation:**

The best secure option is to place the database in a private subnet. The below diagram from the AWS Documentation shows this setup. Also ensure that access is not allowed from all sources but just from the web servers.

Option A is invalid because databases should not be placed in the public subnet

Option D is invalid because the database security group should not allow traffic from the internet For more information on this type of setup, please refer to the below URL: [https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/PC\\_Scenario2](https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/PC_Scenario2).

The correct answers are: Place the EC2 Instance with the Oracle database in a separate private subnet Create a database security group and ensure the web security group to allowed incoming access

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**NEW QUESTION 128**

An EC2 Instance hosts a Java based application that access a DynamoDB table. This EC2 Instance is currently serving production based users. Which of the following is a secure way of ensuring that the EC2 Instance access the Dynamo table

Please select:

- A. Use IAM Roles with permissions to interact with DynamoDB and assign it to the EC2 Instance

- B. Use KMS keys with the right permissions to interact with DynamoDB and assign it to the EC2 Instance
- C. Use 1AM Access Keys with the right permissions to interact with DynamoDB and assign it to the EC2 Instance
- D. Use 1AM Access Groups with the right permissions to interact with DynamoDB and assign it to the EC2 Instance

**Answer:** A

**Explanation:**

To always ensure secure access to AWS resources from EC2 Instances, always ensure to assign a Role to the EC2 Instance Option B is invalid because KMS keys are not used as a mechanism for providing EC2 Instances access to AWS services. Option C is invalid Access keys is not a safe mechanism for providing EC2 Instances access to AWS services. Option D is invalid because there is no way access groups can be assigned to EC2 Instances. For more information on 1AM Roles, please refer to the below URL:

[https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_roles.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_roles.html)

The correct answer is: Use 1AM Roles with permissions to interact with DynamoDB and assign it to the EC2 Instance Submit your Feedback/Queries to our Experts

**NEW QUESTION 129**

A company is using a Redshift cluster to store their data warehouse. There is a requirement from the Internal IT Security team to ensure that data gets encrypted for the Redshift database. How can this be achieved?

Please select:

- A. Encrypt the EBS volumes of the underlying EC2 Instances
- B. Use AWS KMS Customer Default master key
- C. Use SSL/TLS for encrypting the data
- D. Use S3 Encryption

**Answer:** B

**Explanation:**

The AWS Documentation mentions the following

Amazon Redshift uses a hierarchy of encryption keys to encrypt the database. You can use either AWS Key Management Service (AWS KMS) or a hardware security module (HSM) to manage the toplevel encryption keys in this hierarchy. The process that Amazon Redshift uses for encryption differs depending on how you manage keys.

Option A is invalid because its the cluster that needs to be encrypted

Option C is invalid because this encrypts objects in transit and not objects at rest Option D is invalid because this is used only for objects in S3 buckets

For more information on Redshift encryption, please visit the following URL: <https://docs.aws.amazon.com/redshift/latest/mgmt/workine-with-db-encryption.html>

The correct answer is: Use AWS KMS Customer Default master key Submit your Feedback/Queries to our Experts

**NEW QUESTION 134**

A company is planning to run a number of Admin related scripts using the AWS Lambda service. There is a need to understand if there are any errors encountered when the script run. How can this be accomplished in the most effective manner.

Please select:

- A. Use Cloudwatch metrics and logs to watch for errors
- B. Use Cloudtrail to monitor for errors
- C. Use the AWS Config service to monitor for errors
- D. Use the AWS inspector service to monitor for errors

**Answer:** A

**Explanation:**

The AWS Documentation mentions the following

AWS Lambda automatically monitors Lambda functions on your behalf, reporting metrics through Amazon CloudWatch. To help you troubleshoot failures in a function. Lambda logs all requests handled by your function and also automatically stores logs generated by your code through Amazon CloudWatch Logs.

Option B,C and D are all invalid because these services cannot be used to monitor for errors. I

For more information on Monitoring Lambda functions, please visit the following URL: <https://docs.aws.amazon.com/lambda/latest/dg/monitoring-functions-logs.html>

The correct answer is: Use Cloudwatch metrics and logs to watch for errors Submit your Feedback/Queries to our Experts

**NEW QUESTION 139**

A company hosts data in S3. There is now a mandate that going forward all data in the S3 bucket needs to encrypt at rest. How can this be achieved?

Please select:

- A. Use AWS Access keys to encrypt the data
- B. Use SSL certificates to encrypt the data
- C. Enable server side encryption on the S3 bucket
- D. Enable MFA on the S3 bucket

**Answer:** C

**Explanation:**

The AWS Documentation mentions the following

Server-side encryption is about data encryption at rest—that is, Amazon S3 encrypts your data at the object level as it writes it to disks in its data centers and decrypts it for you when you access it. As long as you authenticate your request and you have access permissions, there is no difference in the way you access encrypted or unencrypted objects.

Options A and B are invalid because neither Access Keys nor SSL certificates can be used to encrypt data.

Option D is invalid because MFA is just used as an extra level of security for S3 buckets For more information on S3 server side encryption, please refer to the below Link: <https://docs.aws.amazon.com/AmazonS3/latest/dev/serv-side-encryption.html>

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#### NEW QUESTION 141

Your company hosts critical data in an S3 bucket. There is a requirement to ensure that all data is encrypted. There is also metadata about the information stored in the bucket that needs to be encrypted as well. Which of the below measures would you take to ensure that the metadata is encrypted? Please select:

- A. Put the metadata as metadata for each object in the S3 bucket and then enable S3 Server side encryption.
- B. Put the metadata as metadata for each object in the S3 bucket and then enable S3 Server KMS encryption.
- C. Put the metadata in a DynamoDB table and ensure the table is encrypted during creation time.
- D. Put the metadata in the S3 bucket itself

**Answer: C**

#### Explanation:

Option A, B and D are all invalid because the metadata will not be encrypted in any case and this is a key requirement from the question. One key thing to note is that when the S3 bucket objects are encrypted, the meta data is not encrypted. So the best option is to use an encrypted DynamoDB table. Important: All GET and PUT requests for an object protected by AWS KMS will fail if they are not made via SSL or by using SigV4. SSE-KMS encrypts only the object data. A. Any object metadata is not encrypted. For more information on using KMS encryption for S3, please refer to below URL: [1 https://docs.aws.amazon.com/AmazonS3/latest/dev/UsingKMSEncryption.html](https://docs.aws.amazon.com/AmazonS3/latest/dev/UsingKMSEncryption.html). The correct answer is: Put the metadata in a DynamoDB table and ensure the table is encrypted during creation time. Submit your Feedback/Queries to our Experts

#### NEW QUESTION 142

Your company has a set of EC2 Instances that are placed behind an ELB. Some of the applications hosted on these instances communicate via a legacy protocol. There is a security mandate that all traffic between the client and the EC2 Instances need to be secure. How would you accomplish this? Please select:

- A. Use an Application Load balancer and terminate the SSL connection at the ELB
- B. Use a Classic Load balancer and terminate the SSL connection at the ELB
- C. Use an Application Load balancer and terminate the SSL connection at the EC2 Instances
- D. Use a Classic Load balancer and terminate the SSL connection at the EC2 Instances

**Answer: D**

#### Explanation:

Since there are applications which work on legacy protocols, you need to ensure that the ELB can be used at the network layer as well and hence you should choose the Classic ELB. Since the traffic needs to be secure till the EC2 Instances, the SSL termination should occur on the EC2 Instances. Option A and C are invalid because you need to use a Classic Load balancer since this is a legacy application. Option B is incorrect since encryption is required until the EC2 Instance. For more information on HTTPS listeners for classic load balancers, please refer to below URL: <https://docs.aws.amazon.com/elasticloadbalancing/latest/classic/elb-https-load-balancers.html>. The correct answer is: Use a Classic Load balancer and terminate the SSL connection at the EC2 Instances. Submit your Feedback/Queries to our Experts

#### NEW QUESTION 143

Your company has a set of EC2 Instances defined in AWS. They need to ensure that all traffic packets are monitored and inspected for any security threats. How can this be achieved? Choose 2 answers from the options given below. Please select:

- A. Use a host based intrusion detection system
- B. Use a third party firewall installed on a central EC2 instance
- C. Use VPC Flow logs
- D. Use Network Access control lists logging

**Answer: AB**

#### Explanation:

If you want to inspect the packets themselves, then you need to use custom based software. A diagram representation of this is given in the AWS Security best practices.

Option C is invalid because VPC Flow logs cannot conduct packet inspection. For more information on AWS Security best practices, please refer to below URL: [The correct answers are: Use a host based intrusion detection system. Use a third party firewall installed on a central EC2](#). Submit your Feedback/Queries to our Experts

#### NEW QUESTION 146

Your company hosts a large section of EC2 instances in AWS. There are strict security rules governing the EC2 Instances. During a potential security breach, you need to ensure quick investigation of the underlying EC2 Instance. Which of the following services can help you quickly provision a test environment to look into the breached instance? Please select:

- A. AWS Cloudwatch
- B. AWS CloudFormation
- C. AWS CloudTrail
- D. AWS Config

**Answer: B**

#### Explanation:

The AWS Security best practices mentions the following: Unique to AWS, security practitioners can use CloudFormation to quickly create a new, trusted environment in which to conduct deeper investigation. The

CloudFormation template can preconfigure instances in an isolated environment that contains all the necessary tools forensic teams need to determine the cause of the incident This cuts down on the time it takes to gather necessary tools, isolates systems under examination, and ensures that the team is operating in a clean room. Option A is incorrect since this is a logging service and cannot be used to provision a test environment Option C is incorrect since this is an API logging service and cannot be used to provision a test environment Option D is incorrect since this is a configuration service and cannot be used to provision a test environment For more information on AWS Security best practises, please refer to below URL: <https://d1.awsstatic.com/whitepapers/architecture/AWS-Security-Pillar.pdf> The correct answer is: AWS Cloudformation Submit your Feedback/Queries to our Experts

**NEW QUESTION 151**

Your company has a set of EBS volumes defined in AWS. The security mandate is that all EBS volumes are encrypted. What can be done to notify the IT admin staff if there are any unencrypted volumes in the account. Please select:

- A. Use AWS Inspector to inspect all the EBS volumes
- B. Use AWS Config to check for unencrypted EBS volumes
- C. Use AWS Guard duty to check for the unencrypted EBS volumes
- D. Use AWS Lambda to check for the unencrypted EBS volumes

**Answer: B**

**Explanation:**

The enc config rule for AWS Config can be used to check for unencrypted volumes. encrypted-volumrnn 5 volumes that are in an attached state are encrypted. If you specify the ID of a KMS key for encryptio using the kmsId parameter, the rule checks if the EBS volumes in an attached state are encrypted with that KMS key\*1.

Options A and C are incorrect since these services cannot be used to check for unencrypted EBS volumes

Option D is incorrect because even though this is possible, trying to implement the solution alone with just the Lambda servk would be too difficult

For more information on AWS Config and encrypted volumes, please refer to below URL:

<https://docs.aws.amazon.com/config/latest/developerguide/encrypted-volumes.html> Submit your Feedback/Queries to our Experts

**NEW QUESTION 156**

You have a bucket and a VPC defined in AWS. You need to ensure that the bucket can only be accessed by the VPC endpoint. How can you accomplish this? Please select:

- A. Modify the security groups for the VPC to allow access to the 53 bucket
- B. Modify the route tables to allow access for the VPC endpoint
- C. Modify the 1AM Policy for the bucket to allow access for the VPC endpoint
- D. Modify the bucket Policy for the bucket to allow access for the VPC endpoint

**Answer: D**

**Explanation:**

This is mentioned in the AWS Documentation Restricting Access to a Specific VPC Endpoint

The following is an example of an S3 bucket policy that restricts access to a specific bucket, examplebucket only from the VPC endpoint with the ID vpce-la2b3c4d. The policy denies all access to the bucket if the specified endpoint is not being used. The aws:sourceVpce condition is used to the specify the endpoint. The aws:sourceVpce condition does not require an ARN for the VPC endpoint resource, only the VPC endpoint ID. For more information about using conditions in a policy, see Specifying Conditions in a Policy.

Options A and B are incorrect because using Security Groups nor route tables will help to allow access specifically for that bucke via the VPC endpoint Here you specifically need to ensure the bucket policy is changed.

Option C is incorrect because it is the bucket policy that needs to be changed and not the 1AM policy. For more information on example bucket policies for VPC endpoints, please refer to below URL: <https://docs.aws.amazon.com/AmazonS3/latest/dev/example-bucket-policies-vpc-endpoint.html>

The correct answer is: Modify the bucket Policy for the bucket to allow access for the VPC endpoint Submit your Feedback/Queries to our Experts

**NEW QUESTION 157**

In order to encrypt data in transit for a connection to an AWS RDS instance, which of the following would you implement Please select:

- A. Transparent data encryption
- B. SSL from your application
- C. Data keys from AWS KMS
- D. Data Keys from CloudHSM

**Answer: B**

**Explanation:**

This is mentioned in the AWS Documentation

You can use SSL from your application to encrypt a connection to a DB instance running MySQL MariaDB, Amazon Aurora, SQL Server, Oracle, or PostgreSQL.

Option A is incorrect since Transparent data encryption is used for data at rest and not in transit Options C and D are incorrect since keys can be used for encryption of data at rest

For more information on working with RDS and SSL, please refer to below URL:

<https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/UsingWithRDS.SSL.html>

The correct answer is: SSL from your application Submit your Feedback/Queries to our Experts

**NEW QUESTION 161**

You want to track access requests for a particular S3 bucket. How can you achieve this in the easiest possible way? Please select:

- A. Enable server access logging for the bucket
- B. Enable Cloudwatch metrics for the bucket
- C. Enable Cloudwatch logs for the bucket
- D. Enable AWS Config for the S3 bucket

**Answer:** A

**Explanation:**

The AWS Documentation mentions the foil

To track requests for access to your bucket you can enable access logging. Each access log record provides details about a single access request, such as the requester, bucket name, request time, request action, response status, and error code, if any.

Options B and C are incorrect Cloudwatch is used for metrics and logging and cannot be used to track access requests.

Option D is incorrect since this can be used for Configuration management but for not for tracking S3 bucket requests.

For more information on S3 server logs, please refer to below UF <https://docs.aws.amazon.com/AmazonS3/latest/dev/ServerLoes.html>

The correct answer is: Enable server access logging for the bucket Submit your Feedback/Queries to our Experts

**NEW QUESTION 162**

Your company has just started using AWS and created an AWS account. They are aware of the potential issues when root access is enabled. How can they best safeguard the account when it comes to root access? Choose 2 answers fro the options given below

Please select:

- A. Delete the root access account
- B. Create an Admin 1AM user with the necessary permissions
- C. Change the password for the root account.
- D. Delete the root access keys

**Answer:** BD

**Explanation:**

The AWS Documentation mentions the following

All AWS accounts have root user credentials (that is, the credentials of the account owner). These credentials allow full access to all resources in the account.

Because you cant restrict permissions for root user credentials, we recommend that you delete your root user access keys. Then create AWS Identity and Access Management (IAM) user credentials for everyday interaction with AWS. Option A is incorrect since you cannot delete the root access account

Option C is partially correct but cannot be used as the ideal solution for safeguarding the account For more information on root access vs admin IAM users, please refer to below URL: <https://docs.aws.amazon.com/eeneral/latest/er/root-vs-iam.html>

The correct answers are: Create an Admin IAM user with the necessary permissions. Delete the root access keys Submit your Feedback/Queries to our Experts

**NEW QUESTION 165**

You have just developed a new mobile application that handles analytics workloads on large scale datasets that are stored on Amazon Redshift. Consequently, the application needs to access Amazon Redshift tables. Which of the below methods would be the best both practically and security-wise, to access the tables?

Choose the correct answer from the options below

Please select:

- A. Create an IAM user and generate encryption keys for that use
- B. Create a policy for Redshift readonly acces
- C. Embed th keys in the application.
- D. Create an HSM client certificate in Redshift and authenticate using this certificate.
- E. Create a Redshift read-only access policy in IAM and embed those credentials in the application.
- F. Use roles that allow a web identity federated user to assume a role that allows access to the Redshift table by providing temporary credentials.

**Answer:** D

**Explanation:**

The AWS Documentation mentions the following

"When you write such an app, you'll make requests to AWS services that must be signed with an AWS access key. However, we strongly recommend that you do not embed or distribute long-term AWS credentials with apps that a user downloads t device, even in an encrypted store. Instead, build your app so that it requests temporary AWS security credentials dynamica when needed using web

identify federation. The supplied temporary credentials map to an AWS role that has only the permissioi needed to perform the tasks required by the mobile app".

Option A.B and C are all automatically incorrect because you need to use IAM Roles for Secure access to services For more information on web identity

federation please refer to the below Link: [http://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_roles\\_providers\\_oidc.html](http://docs.aws.amazon.com/IAM/latest/UserGuide/id_roles_providers_oidc.html)

The correct answer is: Use roles that allow a web identity federated user to assume a role that allows access to the RedShift table by providing temporary credentials.

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**NEW QUESTION 170**

DDoS attacks that happen at the application layer commonly target web applications with lower volumes of traffic compared to infrastructure attacks. To mitigate these types of attacks, you should probably want to include a WAF (Web Application Firewall) as part of your infrastructure. To inspect all HTTP requests, WAFs sit in-line with your application traffic. Unfortunately, this creates a scenario where WAFs can become a point of failure or bottleneck. To mitigate this problem, you need the ability to run multiple WAFs on demand during traffic spikes. This type of scaling for WAF is done via a "WAF sandwich." Which of the following statements best describes what a "WAF sandwich" is? Choose the correct answer from the options below

Please select:

- A. The EC2 instance running your WAF software is placed between your private subnets and any NATed connections to the internet.
- B. The EC2 instance running your WAF software is placed between your public subnets and your Internet Gateway.
- C. The EC2 instance running your WAF software is placed between your public subnets and your private subnets.
- D. he EC2 instance running your WAF software is included in an Auto Scaling group and placed in between two Elastic load balancers.

**Answer:** D

**Explanation:**

The below diagram shows how a WAF sandwich is created. It's the concept of placing the EC2 instance which hosts the WAF software in between 2 elastic load balancers.

Option A, B and C are incorrect since the EC2 Instance with the WAF software needs to be placed in an Autoscaling Group. For more information on a WAF sandwich please refer to the below Link: <https://www.cloudaxis.com/2016/11/21/waf-sandwich/>

The correct answer is: The EC2 instance running your WAF software is included in an Auto Scaling group and placed in between two Elastic load balancers. Submit your Feedback/Queries to our Experts

#### NEW QUESTION 171

An auditor needs access to logs that record all API events on AWS. The auditor only needs read-only access to the log files and does not need access to each AWS account. The company has multiple AWS accounts, and the auditor needs access to all the logs for all the accounts. What is the best way to configure access for the auditor to view event logs from all accounts? Choose the correct answer from the options below

Please select:

- A. Configure the CloudTrail service in each AWS account, and have the logs delivered to an AWS bucket on each account, while granting the auditor permissions to the bucket via roles in the secondary accounts and a single primary IAM account that can assume a read-only role in the secondary AWS accounts.
- B. Configure the CloudTrail service in the primary AWS account and configure consolidated billing for all the secondary account
- C. Then grant the auditor access to the S3 bucket that receives the CloudTrail log files.
- D. Configure the CloudTrail service in each AWS account and enable consolidated logging inside of CloudTrail.
- E. Configure the CloudTrail service in each AWS account and have the logs delivered to a single AWS bucket in the primary account and grant the auditor access to that single bucket in the primary account

**Answer: D**

#### Explanation:

Given the current requirements, assume the method of "least privilege" security design and only allow the auditor access to the minimum amount of AWS resources as possible

AWS CloudTrail is a service that enables governance, compliance, operational auditing, and risk auditing of your AWS account. With CloudTrail, you can log, continuously monitor, and retain events related to API calls across your AWS infrastructure. CloudTrail provides a history of AWS API calls for your account including API calls made through the AWS Management Console, AWS SDKs, command line tools, and other AWS services. This history simplifies security analysis, resource change tracking, and troubleshooting

only be granted access in one location

Option A is incorrect since the auditor should have access to all accounts. Option B is incorrect since consolidated billing is not a key requirement as part of the question

Option C is incorrect since there is not consolidated logging

For more information on CloudTrail please refer to the below URL: <https://aws.amazon.com/cloudtrail>

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The correct answer is: Configure the CloudTrail service in each AWS account and have the logs delivered to a single AWS bucket in the primary account and grant the auditor access to that single bucket in the primary account.

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#### NEW QUESTION 173

You have been given a new brief from your supervisor for a client who needs a web application set up on AWS. The most important requirement is that MySQL must be used as the database, and this database must not be hosted in the public cloud, but rather at the client's data center due to security risks. Which of the following solutions would be the best to assure that the client's requirements are met? Choose the correct answer from the options below

Please select:

- A. Build the application server on a public subnet and the database at the client's data center
- B. Connect them with a VPN connection which uses IPsec.



- C. Use the public subnet for the application server and use RDS with a storage gateway to access and synchronize the data securely from the local data center.
- D. Build the application server on a public subnet and the database on a private subnet with a NAT instance between them.
- E. Build the application server on a public subnet and build the database in a private subnet with a secure ssh connection to the private subnet from the client's data center.

**Answer:** A

**Explanation:**

Since the database should not be hosted on the cloud all other options are invalid. The best option is to create a VPN connection for securing traffic as shown below.

Option B is invalid because this is the incorrect use of the Storage gateway Option C is invalid since this is the incorrect use of the NAT instance Option D is invalid since this is an incorrect configuration For more information on VPN connections, please visit the below URL

[http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC\\_VPN.html](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html)

The correct answer is: Build the application server on a public subnet and the database at the client's data center. Connect them with a VPN connection which uses IPsec

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**NEW QUESTION 175**

Your company has been using AWS for the past 2 years. They have separate S3 buckets for logging the various AWS services that have been used. They have hired an external vendor for analyzing their log files. They have their own AWS account. What is the best way to ensure that the partner account can access the log files in the company account for analysis. Choose 2 answers from the options given below

Please select:

- A. Create an 1AM user in the company account
- B. Create an 1AM Role in the company account
- C. Ensure the 1AM user has access for read-only to the S3 buckets
- D. Ensure the 1AM Role has access for read-only to the S3 buckets

**Answer:** BD

**Explanation:**

The AWS Documentation mentions the following

To share log files between multiple AWS accounts, you must perform the following general steps. These steps are explained in detail later in this section.

Create an 1AM role for each account that you want to share log files with.

For each of these 1AM roles, create an access policy that grants read-only access to the account you want to share the log files with.

Have an 1AM user in each account programmatically assume the appropriate role and retrieve the log files.

Options A and C are invalid because creating an 1AM user and then sharing the 1AM user credentials with the vendor is a direct 'NO' practise from a security perspective.

For more information on sharing cloudtrail logs files, please visit the following URL <https://docs.aws.amazon.com/awscloudtrail/latest/userguide/cloudtrail-sharinelogs.html>

The correct answers are: Create an 1AM Role in the company account Ensure the 1AM Role has access for read-only to the S3 buckets

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**NEW QUESTION 177**

Your company has been using AWS for hosting EC2 Instances for their web and database applications. They want to have a compliance check to see the following

Whether any ports are left open other than admin ones like SSH and RDP

Whether any ports to the database server other than ones from the web server security group are

open Which of the following can help achieve this in the easiest way possible. You don't want to carry out an extra configuration changes?

Please select:

- A. AWS Config
- B. AWS Trusted Advisor
- C. AWS Inspector
- D. AWS GuardDuty

**Answer:** B



**Explanation:**

Trusted Advisor checks for compliance with the following security recommendations:

Limited access to common administrative ports to only a small subset of addresses. This includes ports 22 (SSH), 23 (Telnet) 3389 (RDP), and 5500 (VNC).

Limited access to common database ports. This includes ports 1433 (MSSQL Server), 1434 (MSSQL Monitor), 3306 (MySQL), Oracle (1521) and 5432 (PostgreSQL).

Option A is partially correct but then you would need to write custom rules for this. The AWS trusted advisor can give you all of these checks on its dashboard

Option C is incorrect. Amazon Inspector needs a software agent to be installed on all EC2 instances that are included in the

assessment target, the security of which you want to evaluate with Amazon Inspector. It monitors the behavior of the EC2

instance on which it is installed, including network, file system, and process activity, and collects a wide set of behavior and

configuration data (telemetry), which it then passes to the Amazon Inspector service.

Our question's requirement is to choose a choice that is easy to implement. Hence Trusted Advisor is more appropriate for this question.

Options D is invalid because this service doesn't provide these details.

For more information on the Trusted Advisor, please visit the following URL <https://aws.amazon.com/premiumsupport/trustedadvisor>

The correct answer is: AWS Trusted Advisor Submit your Feedback/Queries to our Experts

**NEW QUESTION 180**

An application is designed to run on an EC2 Instance. The application needs to work with an S3 bucket. From a security perspective, what is the ideal way for the EC2 instance/ application to be configured?

Please select:

- A. Use the AWS access keys ensuring that they are frequently rotated.
- B. Assign an IAM user to the application that has specific access to only that S3 bucket
- C. Assign an IAM Role and assign it to the EC2 Instance
- D. Assign an IAM group and assign it to the EC2 Instance

**Answer: C**

**Explanation:**

The below diagram from the AWS whitepaper shows the best security practice of allocating a role that has access to the S3 bucket

Options A, B and D are invalid because using users, groups or access keys is an invalid security practice when giving access to resources from other AWS resources.

For more information on the Security Best practices, please visit the following URL: [https://d1.awsstatic.com/whitepapers/Security/AWS\\_Security\\_Best\\_Practices.pdf](https://d1.awsstatic.com/whitepapers/Security/AWS_Security_Best_Practices.pdf)

The correct answer is: Assign an IAM Role and assign it to the EC2 Instance Submit your Feedback/Queries to our Experts

**NEW QUESTION 182**

Your company has an EC2 Instance hosted in AWS. This EC2 Instance hosts an application. Currently this application is experiencing a number of issues. You need to inspect the network packets to see what the type of error that is occurring? Which one of the below steps can help address this issue? Please select:

- A. Use the VPC Flow Logs.
- B. Use a network monitoring tool provided by an AWS partner.
- C. Use another instance
- D. Setup a port to "promiscuous mode" and sniff the traffic to analyze the packet
- E. -
- F. Use Cloudwatch metric

**Answer: B**

**NEW QUESTION 184**

The correct answers are: Enable versioning on the S3 bucket Enable MFA Delete in the bucket policy Submit your Feedback/Queries to our Experts

Your company has mandated that all data in AWS be encrypted at rest. How can you achieve this for EBS volumes? Choose 2 answers from the options given below

Please select:

- A. Use Windows bit locker for EBS volumes on Windows instances
- B. Use TrueEncrypt for EBS volumes on Linux instances
- C. Use AWS Systems Manager to encrypt the existing EBS volumes
- D. Boot EBS volume can be encrypted during launch without using custom AMI

**Answer: AB**

**Explanation:**

EBS encryption can also be enabled when the volume is created and not for existing volumes. One can use existing tools for OS level encryption.

Option C is incorrect.

AWS Systems Manager is a management service that helps you automatically collect software inventory, apply OS patches, create system images, and configure Windows and Linux operating systems.

Option D is incorrect

You cannot choose to encrypt a non-encrypted boot volume on instance launch. To have encrypted boot volumes during launch, your custom AMI must have its boot volume encrypted before launch. For more information on the Security Best practices, please visit the following URL:

<https://aws.amazon.com/whit> Security Practices.

The correct answers are: Use Windows bit locker for EBS volumes on Windows instances. Use TrueEncrypt for EBS volumes on Linux instances

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**NEW QUESTION 188**

You are designing a connectivity solution between on-premises infrastructure and Amazon VPC. Your server's on-premises will be communicating with your VPC

instances. You will be establishing IPSec tunnels over the internet. You will be using VPN gateways and terminating the IPsec tunnels on AWSsupported customer gateways. Which of the following objectives would you achieve by implementing an IPSec tunnel as outlined above? Choose 4 answers from the options below Please select:

- A. End-to-end protection of data in transit
- B. End-to-end Identity authentication
- C. Data encryption across the internet
- D. Protection of data in transit over the Internet
- E. Peer identity authentication between VPN gateway and customer gateway
- F. Data integrity protection across the Internet

**Answer:** CDEF

**Explanation:**

Since the Web server needs to talk to the database server on port 3306 that means that the database server should allow incoming traffic on port 3306. The below table from the aws documentation shows how the security groups should be set up.

Option B is invalid because you need to allow incoming access for the database server from the WebSecGrp security group.  
Options C and D are invalid because you need to allow Outbound traffic and not inbound traffic For more information on security groups please visit the below Link: [http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC\\_Scenario2.html](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Scenario2.html)  
The correct answer is: Allow Inbound on port 3306 for Source Web Server Security Group WebSecGrp. Submit your Feedback/Queries to our Experts

**NEW QUESTION 189**

Your developer is using the KMS service and an assigned key in their Java program. They get the below error when running the code  
arn:aws:iam::113745388712:user/UserB is not authorized to perform: kms:DescribeKey Which of the following could help resolve the issue?  
Please select:

- A. Ensure that UserB is given the right IAM role to access the key
- B. Ensure that UserB is given the right permissions in the IAM policy
- C. Ensure that UserB is given the right permissions in the Key policy
- D. Ensure that UserB is given the right permissions in the Bucket policy

**Answer:** C

**Explanation:**

You need to ensure that UserB is given access via the Key policy for the Key

Option is invalid because you don't assign roles to IAM users For more information on Key policies please visit the below Link:  
<https://docs.aws.amazon.com/kms/latest/developerguide/key-poli>  
The correct answer is: Ensure that UserB is given the right permissions in the Key policy

**NEW QUESTION 190**

Your IT Security team has identified a number of vulnerabilities across critical EC2 Instances in the company's AWS Account. Which would be the easiest way to ensure these vulnerabilities are remediated?  
Please select:

- A. Create AWS Lambda functions to download the updates and patch the servers.
- B. Use AWS CLI commands to download the updates and patch the servers.
- C. Use AWS inspector to patch the servers
- D. Use AWS Systems Manager to patch the servers

**Answer:** D

**Explanation:**

The AWS Documentation mentions the following

You can quickly remediate patch and association compliance issues by using Systems Manager Run Command. You can tat either instance IDs or Amazon EC2 tags and execute the AWSRefreshAssociation document or the AWS-RunPatchBaseline document. If refreshing the association or re-running the patch baseline fails to resolve the compliance issue, then you need to investigate your associations, patch baselines, or instance configurations to understand why the Run Command executions did not resolve the problem

Options A and B are invalid because even though this is possible, still from a maintenance perspective it would be difficult to maintain the Lambda functions

Option C is invalid because this service cannot be used to patch servers

For more information on using Systems Manager for compliance remediation please visit the below Link:

<https://docs.aws.amazon.com/systems-manageer/latest/userguide/sysman-compliance-fixing.html> The correct answer is: Use AWS Systems Manager to patch the servers Submit your Feedback/Queries to our Experts

#### NEW QUESTION 194

A company has a set of EC2 instances hosted in AWS. These instances have EBS volumes for storing critical information. There is a business continuity requirement and in order to boost the agility of the business and to ensure data durability which of the following options are not required. Please select:

- A. Use lifecycle policies for the EBS volumes
- B. Use EBS Snapshots
- C. Use EBS volume replication
- D. Use EBS volume encryption

**Answer:** CD

#### Explanation:

Data stored in Amazon EBS volumes is redundantly stored in multiple physical locations as part of normal operation of those services and at no additional charge. However, Amazon EBS replication is stored within the same availability zone, not across multiple zones; therefore, it is highly recommended that you conduct regular snapshots to Amazon S3 for long-term data durability.

You can use Amazon Data Lifecycle Manager (Amazon DLM) to automate the creation, retention, and deletion of snapshots taken to back up your Amazon EBS volumes.

With lifecycle management, you can be sure that snapshots are cleaned up regularly and keep costs under control.

EBS Lifecycle Policies

A lifecycle policy consists of these core settings:

- Resource type—The AWS resource managed by the policy, in this case, EBS volumes.
- Target tag—The tag that must be associated with an EBS volume for it to be managed by the policy.
- Schedule—Defines how often to create snapshots and the maximum number of snapshots to keep. Snapshot creation starts within an hour of the specified start time. If creating a new snapshot exceeds the maximum number of snapshots to keep for the volume, the oldest snapshot is deleted.

Option C is correct. Each Amazon EBS volume is automatically replicated within its Availability Zone to protect you from component failure, offering high availability and durability. But it does not have an explicit feature like that.

Option D is correct Encryption does not ensure data durability

For information on security for Compute Resources, please visit the below URL <https://d1.awsstatic.com/whitepapers/Security/Security Compute Services Whitepaper.pdf>

The correct answers are: Use EBS volume replication. Use EBS volume encryption Submit your Feedback/Queries to our Experts

#### NEW QUESTION 199

The CFO of a company wants to allow one of his employees to view only the AWS usage report page. Which of the below mentioned IAM policy statements allows the user to have access to the AWS usage report page?

Please select:

- A. "Effect": "Allow", "Action": ["Describe"], "Resource": "Billing"
- B. "Effect": "Allow", "Action": ["AccountUsage"], "Resource": "\*\*"
- C. "Effect": "Allow", "Action": ["aws-portal:ViewUsage", "aws-portal:ViewBilling"], "Resource": "\*\*"
- D. "Effect": "Allow", "Action": ["aws-portal: ViewBilling"], "Resource": "\*\*"

**Answer:** C

#### Explanation:

the aws documentation, below is the access required for a user to access the Usage reports page and as per this, Option C is the right answer.

#### NEW QUESTION 203

Your company has the following setup in AWS

- A. A set of EC2 Instances hosting a web application
- B. An application load balancer placed in front of the EC2 Instances
- C. There seems to be a set of malicious requests coming from a set of IP addresses. Which of the following can be used to protect against these requests? Please select:
- D. Use Security Groups to block the IP addresses
- E. Use VPC Flow Logs to block the IP addresses
- F. Use AWS inspector to block the IP addresses
- G. Use AWS WAF to block the IP addresses

**Answer:** D

**Explanation:**

Your answer is incorrect Answer -D

The AWS Documentation mentions the following on AWS WAF which can be used to protect Application Load Balancers and Cloud front

A web access control list (web ACL) gives you fine-grained control over the web requests that your Amazon CloudFront distributions or Application Load Balancers respond to. You can allow or block the following types of requests:

Originate from an IP address or a range of IP addresses Originate from a specific country or countries

Contain a specified string or match a regular expression (regex) pattern in a particular part of requests

Exceed a specified length

Appear to contain malicious SQL code (known as SQL injection)

Appear to contain malicious scripts (known as cross-site scripting)

Option A is invalid because by default Security Groups have the Deny policy

Options B and C are invalid because these services cannot be used to block IP addresses For information on AWS WAF, please visit the below URL:

<https://docs.aws.amazon.com/waf/latest/developerguide/web-acl.html>

The correct answer is: Use AWS WAF to block the IP addresses Submit your Feedback/Queries to our Experts

**NEW QUESTION 206**

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