Question #25Topic 1

According to the AWS shared responsibility model, what responsibility does a customer have when using Amazon RDS to host a database?

**A. Manage connections to the database**

B. Install Microsoft SQL Server

C. Design encryption-at-rest strategies

D. Apply minor database patches

Question #20Topic 1

Which task requires using AWS account root user credentials?

A. Viewing billing information

**B. Changing the AWS Support plan**

C. Starting and stopping Amazon EC2 instances

D. Opening an AWS Support case

Question #53Topic 1

Which AWS service or feature identifies whether an Amazon S3 bucket or an IAM role has been shared with an external entity?

A. AWS Service Catalog

B. AWS Systems Manager

**C. AWS IAM Access Analyzer**

D. AWS Organizations

Question #70Topic 1

Which AWS service or feature checks access policies and offers actionable recommendations to help users set secure and functional policies?

A. AWS Systems Manager

**B. AWS IAM Access Analyzer**

C. AWS Trusted Advisor

D. Amazon GuardDuty

Question #75Topic 1

Which AWS service can be used to encrypt data at rest?

A. Amazon GuardDuty

B. AWS Shield

C. AWS Security Hub

**D. AWS Key Management Service (AWS KMS)**

Question #89Topic 1

In which situations should a company create an IAM user instead of an IAM role? (Choose two.)

A. When an application that runs on Amazon EC2 instances requires access to other AWS services

**B. When the company creates AWS access credentials for individuals**

C. When the company creates an application that runs on a mobile phone that makes requests to AWS

**D. When the company needs to add users to IAM groups**

E. When users are authenticated in the corporate network and want to be able to use AWS without having to sign in a second time

Question #91Topic 1

Which AWS service is used to provide encryption for Amazon EBS?

A. AWS Certificate Manager

B. AWS Systems Manager

**C. AWS KMS**

D. AWS Config

Question #98Topic 1

Which AWS service helps protect against DDoS attacks?

**A. AWS Shield**

B. Amazon Inspector

C. Amazon GuardDuty

D. Amazon Detective

Question #104Topic 1

Which of the following is a characteristic of the AWS account root user?

A. The root user is the only user that can be configured with multi-factor authentication (MFA).

B. The root user is the only user that can access the AWS Management Console.

**C. The root user is the first sign-in identity that is available when an AWS account is created.**

D. The root user has a password that cannot be changed.

Question #105Topic 1

A company hosts an application on an Amazon EC2 instance. The EC2 instance needs to access several AWS resources, including Amazon S3 and Amazon

DynamoDB.

What is the MOST operationally efficient solution to delegate permissions?

**A. Create an IAM role with the required permissions. Attach the role to the EC2 instance.**

B. Create an IAM user and use its access key and secret access key in the application.

C. Create an IAM user and use its access key and secret access key to create a CLI profile in the EC2 instance

D. Create an IAM role with the required permissions. Attach the role to the administrative IAM user.

Question #108Topic 1

Which AWS service allows users to download security and compliance reports about the AWS infrastructure on demand?

A. Amazon GuardDuty

B. AWS Security Hub

**C. AWS Artifact**

D. AWS Shield

Question #120Topic 1

A retail company has recently migrated its website to AWS. The company wants to ensure that it is protected from SQL injection attacks. The website uses an

Application Load Balancer to distribute traffic to multiple Amazon EC2 instances.

Which AWS service or feature can be used to create a custom rule that blocks SQL injection attacks?

A. Security groups

**B. AWS WAF**

C. Network ACLs

D. AWS Shield

Question #136Topic 1

Which AWS service is always provided at no charge?

A. Amazon S3

**B. AWS Identity and Access Management (IAM)**

C. Elastic Load Balancers

D. AWS WAF

Question #147Topic 1

Which of the following is an AWS best practice for managing an AWS account root user?

A. Keep the root user password with the security team.

**B. Enable multi-factor authentication (MFA) for the root user.**

C. Create an access key for the root user.

D. Keep the root user password consistent for compliance purposes.

Question #148Topic 1

A company wants to improve its security and audit posture by limiting Amazon EC2 inbound access.

What should the company use to access instances remotely instead of opening inbound SSH ports and managing SSH keys?

A. EC2 key pairs

**B. AWS Systems Manager Session Manager**

C. AWS Identity and Access Management (IAM)

D. Network ACLs

Question #168Topic 1

A company needs to build an application that uses AWS services. The application will be delivered to residents in European Counties. The company must abide by regional regulatory requirements.

Which AWS service or program should the company use to determine which AWS services meet the regional requirements?

A. AWS Audit Manager

B. AWS Shield

**C. AWS Compliance Program**

D. AWS Artifact

Question #169Topic 1

A company needs to implement identity management for a fleet of mobile apps that are running in the AWS Cloud.

Which AWS service will meet this requirement?

**A. Amazon Cognito**

B. AWS Security Hub

C. AWS Shield

D. AWS WAF

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Question #172Topic 1

A company's web application requires AWS credentials and authorizations to use an AWS service.

Which IAM entity should the company use as best practice?

**A. IAM role**

B. IAM user

C. IAM group

D. IAM multi-factor authentication (MFA)

Question #177Topic 1

A company needs to evaluate its AWS environment and provide best practice recommendations in five categories: cost, performance, service limits, fault tolerance, and security.

Which AWS service can the company use to meet these requirements?

A. AWS Shield

B. AWS WAF

**C. AWS Trusted Advisor**

D. AWS Service Catalog

Question #180Topic 1

Which AWS service provides threat detection by monitoring for malicious activities and unauthorized actions to protect AWS accounts, workloads, and data that is stored in Amazon S3?

A. AWS Shield

B. AWS Firewall Manager

**C. Amazon GuardDuty**

D. Amazon Inspector

Question #192Topic 1

A company wants to migrate to AWS and use the same security software it uses on premises. The security software vendor offers its security software as a service on AWS.

Where can the company purchase the security solution?

A. AWS Partner Solutions Finder

B. AWS Support Center

C. AWS Management Console

**D. AWS Marketplace**

Question #193Topic 1

A company is generating large sets of critical data in its on-premises data center. The company needs to securely transfer the data to AWS for processing. These transfers must occur daily over a dedicated connection.

Which AWS service should the company use to meet these requirements?

A. AWS Backup

**B. AWS DataSync**

C. AWS Direct Connect

D. AWS Snowball

Question #196Topic 1

Which of the following actions are controlled with AWS Identity and Access Management (IAM)? (Choose two.)

**A. Control access to AWS service APIs and to other specific resources**.

B. Provide intelligent threat detection and continuous monitoring.

**C. Protect the AWS environment using multi-factor authentication (MFA).**

D. Grant users access to AWS data centers.

E. Provide firewall protection for applications from common web attacks.

Question #198Topic 1

What information is found on an AWS Identity and Access Management (IAM) credential report? (Choose two.)

**A. The date and time when an IAM user's password was last used to sign in to the AWS Management Console.**

B. The type of multi-factor authentication (MFA) device assigned to an IAM user.

**C. The User-Agent browser identifier for each IAM user currently logged in.**

D. Whether multi-factor authentication (MFA) has been enabled for an IAM user.

E. The number of incorrect login attempts by each IAM user in the previous 30 days.

Question #216Topic 1

Which AWS service contains built-in engines to protect web applications that run in the cloud from SQL injection attacks and cross-site scripting?

**A. AWS WAF**

B. AWS Shield Advanced

C. Amazon GuardDuty

D. Amazon Detective

Question #220Topic 1

What is the primary use case for Amazon GuardDuty?

A. Prevention of DDoS attacks

B. Protection against SQL injection attacks

**C. Automatic monitoring for threats to AWS workloads**

D. Automatic provisioning of AWS resources

Question #222Topic 1

A company needs to identify personally identifiable information (PII), such as credit card numbers, from data that is stored in Amazon S3.

Which AWS service should the company use to meet this requirement?

A. Amazon Inspector

B. AWS Shield

C. Amazon GuardDuty

**D. Amazon Macie**

Question #223Topic 1

Which AWS services or tools are designed to protect a workload from SQL injections, cross-site scripting, and DDoS attacks? (Choose two.)

A. VPC endpoint

B. Virtual private gateway

**C. AWS Shield Standard**

D. AWS Config

E. AWS WAF

Question #248Topic 1

Which AWS services can use AWS WAF to protect against common web exploitations? (Choose two.)

A. Amazon Route 53

**B. Amazon CloudFront**

C. AWS Transfer Family

D. AWS Site-to-Site VPN

**E. Amazon API Gateway**

Question #260Topic 1

Which action will provide documentation to help a company evaluate whether its use of the AWS Cloud is compliant with local regulatory standards?

A. Running Amazon GuardDuty

**B. Using AWS Artifact**

C. Creating an AWS Support ticket

D. Evaluating AWS CloudTrail logs

Question #269Topic 1

Which approach will enhance a user's security on AWS?

A. Use Multi-AZ deployments with Amazon RDS.

B. Create a hybrid architecture by using AWS Direct Connect.

C. Monitor application-specific information with AWS X-Ray.

**D. Encrypt data by using AWS Key Management Service (AWS KMS).**

Question #273Topic 1

Which tasks require use of the AWS account root user? (Choose two.)

**A. Changing an AWS Support plan**

B. Modifying an Amazon EC2 instance type

C. Grouping resources in AWS Systems Manager

D. Running applications in Amazon Elastic Kubernetes Service (Amazon EKS)

**E. Closing an AWS account**

Question #277Topic 1

A company wants to secure its consumer web application by using SSL/TLS to encrypt traffic.

Which AWS service can the company use to meet this goal?

A. AWS WAF

B. AWS Shield

C. Amazon VPC

**D. AWS Certificate Manager (ACM)**

Question #279Topic 1

A company stores configuration files in an Amazon S3 bucket. These configuration files must be accessed by applications that are running on Amazon EC2 instances.

According to AWS security best practices, how should the company grant permissions to allow the applications for access the S3 bucket?

A. Use the AWS account root user access keys.

B. Use the AWS access key ID and the EC2 secret access key.

**C. Use an IAM role with the necessary permissions.**

D. Activate multi-factor authentication (MFA) and versioning on the S3 bucket.

Question #280Topic 1

A company needs an AWS service that will continuously monitor the company's AWS account for suspicious activity. The service must have the ability to initiate automated actions against threats that are identified in the security findings.

Which service will meet these requirements?

A. AWS Trusted Advisor

B. Amazon Detective

C. Amazon Inspector

**D. Amazon GuardDuty**

Question #282Topic 1

Who can create and manage access keys for an AWS account root user?

**A. The AWS account owner**

B. An IAM user that has administrator permissions

C. IAM users within a designated group

D. An IAM user that has the required role

Question #227Topic 1

Which task is the responsibility of AWS, according to the AWS shared responsibility model?

A. Apply guest operating system patches to Amazon EC2 instances.

B. Provide monitoring of human resources information management (HRIM) systems.

**C. Perform automated backups of Amazon RDS instances.**

D. Optimize the costs of running AWS services.

Question #127Topic 1

A company is using an Amazon RDS DB instance for an application that is deployed in the AWS Cloud. The company needs regular patching of the operating system of the server where the DB instance runs.

What is the company's responsibility in this situation, according to the AWS shared responsibility model?

A. Open a support case to obtain administrative access to the server so that the company can patch the DB instance operating system.

**B. Open a support case and request that AWS patch the DB instance operating system.**

C. Use administrative access to the server, and apply the operating system patches during the regular maintenance window that is defined for the DB instance.

D. Establish a regular maintenance window that tells AWS when to patch the DB instance operating system.

Question #271Topic 1

A company wants to migrate its on-premises Microsoft SQL Server database server to the AWS Cloud. The company has decided to use Amazon EC2 instances to run this database.

Which of the following is the company responsible for managing, according to the AWS shared responsibility model?

A. EC2 hypervisor

**B. Security patching of the guest operating system**

C. Network connectivity of the host server

D. Uptime service level agreement (SLA) for the EC2 instances

Question #205Topic 1

Which task is the responsibility of the customer according to the AWS shared responsibility model?

A. Maintain the security of the hardware that runs Amazon EC2 instances.

**B. Patch the guest operating system of Amazon EC2 instances.**

C. Protect the security of the AWS global infrastructure.

D. Patch Amazon RDS software.

Question #293Topic 1

Which of the following are aspects of the AWS shared responsibility model? (Choose two.)

A. Configuration management of infrastructure devices is the customer's responsibility.

**B. For Amazon S3, AWS operates the infrastructure layer, the operating systems, and the platforms.**

**C. AWS is responsible for protecting the physical cloud infrastructure.**

D. AWS is responsible for training the customer's employees on AWS products and services.

E. For Amazon EC2, AWS is responsible for maintaining the guest operating system.

Question #41Topic 1

Which tasks are the responsibility of AWS, according to the AWS shared responsibility model? (Choose two.)

A. Patch the Amazon EC2 guest operating system.

**B. Upgrade the firmware of the network infrastructure.**

C. Apply password rotation for IAM users.

**D. Maintain the physical security of edge locations.**

E. Maintain least privilege access to the root user account.

Question #125Topic 1

Which of the following is the customer responsible for updating and patching, according to the AWS shared responsibility model?

A. Amazon FSx for Windows File Server

**B. Amazon WorkSpaces virtual Windows desktop**

C. AWS Directory Service for Microsoft Active Directory

D. Amazon RDS for Microsoft SQL Server

Question #126Topic 1

Who has the responsibility to patch the host operating system of an Amazon EC2 instance, according to the AWS shared responsibility model?

A. Both AWS and the customer

**B. The customer only**

C. The EC2 hardware manufacturer

D. AWS only

Question #156Topic 1

According to the AWS shared responsibility model, which task is the customer's responsibility?

A. Maintaining the infrastructure needed to run AWS Lambda

B. Updating the operating system of Amazon DynamoDB instances

C. Maintaining Amazon S3 infrastructure

**D. Updating the guest operating system on Amazon EC2 instances**

Question #249Topic 1

Which controls are shared under the AWS shared responsibility model? (Choose two.)

**A. Awareness and training**

B. Patching of Amazon RDS

**C. Configuration management**

D. Physical and environmental controls

E. Service and communications protection or security

Question #197Topic 1

Which of the following are shared controls that apply to both AWS and the customer, according to the AWS shared responsibility model? (Choose two.)

**A. Resource configuration management**

B. Network data integrity

**C. Employee awareness and training**

D. Physical and environmental security

E. Replacement and disposal of disk drives

Question #185Topic 1

Which controls does the customer fully inherit from AWS in the AWS shared responsibility model?

A. Patch management controls

B. Awareness and training controls

**C. Physical and environmental controls**

D. Configuration management controls

Question #186Topic 1

Which task is a customer's responsibility, according to the AWS shared responsibility model?

**A. Management of the guest operating systems**

B. Maintenance of the configuration of infrastructure devices

C. Management of the host operating systems and virtualization

D. Maintenance of the software that powers Availability Zones

Question #62Topic 1

Which IT controls do AWS and the customer share, according to the AWS shared responsibility model? (Choose two.)

A. Physical and environmental controls

**B. Patch management**

**C. Cloud awareness and training**

D. Zone security

E. Application data encryption

Question #19Topic 1

Which documentation does AWS Artifact provide?

**A. Amazon EC2 terms and conditions**

B. AWS ISO certifications

C. A history of a company's AWS spending

D. A list of previous-generation Amazon EC2 instance types

Question #28Topic 1

Which AWS service will help protect applications running on AWS from DDoS attacks?

A. Amazon GuardDuty

B. AWS WAF

C. **AWS Shield**

D. Amazon Inspector

Question #51Topic 1

Which AWS service uses machine learning to help discover, monitor, and protect sensitive data that is stored in Amazon S3 buckets?

A. AWS Shield

**B. Amazon Macie**

C. AWS Network Firewall

D. Amazon Cognito

Question #50Topic 1

A company recently deployed an Amazon RDS instance in its VPC. The company needs to implement a stateful firewall to limit traffic to the private corporate network.

Which AWS service or feature should the company use to limit network traffic directly to its RDS instance?

A. Network ACLs

**B. Security groups**

C. AWS WAF

D. Amazon GuardDuty

Question #52Topic 1

A company wants to improve the overall availability and performance of its applications that are hosted on AWS.

Which AWS service should the company use?

A. Amazon Connect

B. Amazon Lightsail

**C. AWS Global Accelerator**

D. AWS Storage Gateway

Question #56Topic 1

A large enterprise with multiple VPCs in several AWS Regions around the world needs to connect and centrally manage network connectivity between its VPCs.

Which AWS service or feature meets these requirements?

A. AWS Direct Connect

**B. AWS Transit Gateway**

C. AWS Site-to-Site VPN

D. VPC endpoints

Question #67Topic 1

A company wants to implement threat detection on its AWS infrastructure. However, the company does not want to deploy additional software.

Which AWS service should the company use to meet these requirements?

A. Amazon VPC

B. Amazon EC2

**C. Amazon GuardDuty**

D. AWS Direct Connect

Question #140Topic 1

Which AWS service monitors AWS accounts for security threats?

**A. Amazon GuardDuty**

B. AWS Secrets Manager

C. Amazon Cognito

D. AWS Certificate Manager (ACM)

Question #182Topic 1

A company needs an automated security assessment report that will identify unintended network access to Amazon EC2 instances. The report also must identify operating system vulnerabilities on those instances.

Which AWS service or feature should the company use to meet this requirement?

A. AWS Trusted Advisor

B. Security groups

C. Amazon Macie

**D. Amazon Inspector**

Question #218Topic 1

A company needs to set up user authentication for a new application. Users must be able to sign in directly with a user name and password, or through a third- party provider.

Which AWS service should the company use to meet these requirements?

A. AWS Single Sign-On

B. AWS Signer

**C. Amazon Cognito**

D. AWS Directory Service

Question #238Topic 1

Which task can a user complete by using AWS Identity and Access Management (IAM)?

A. Validate JSON syntax from an application configuration file.

B. Analyze logs from an Amazon API Gateway call.

C. Filter traffic to or from an Amazon EC2 instance.

**D. Grant permissions to applications that run on Amazon EC2 instances.**

Question #284Topic 1

A web application is hosted on AWS using an Elastic Load Balancer, multiple Amazon EC2 instances, and Amazon RDS.

Which security measures fall under the responsibility of AWS? (Choose two.)

A. Running a virus scan on EC2 instances

**B. Protecting against IP spoofing and packet sniffing**

**C. Installing the latest security patches on the RDS instance**

D. Encrypting communication between the EC2 instances and the Elastic Load Balancer

E. Configuring a security group and a network access control list (NACL) for EC2 instances

Question #161Topic 1

Which task is an AWS responsibility when a workload is running in Amazon RDS?

A. Creating the database table

B. Updating the database schema

**C. Installing the database engine**

D. Dropping the database records