



Free Questions for CLF-C02

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## Question 1

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Question Type: MultipleChoice

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A company wants to integrate its online shopping website with social media login credentials.

Which AWS service can the company use to make this integration?

Options:

- A- AWS Directory Service
- B- AWS Identity and Access Management (IAM)
- C- Amazon Cognito
- D- AWS IAM Identity Center (AWS Single Sign-On)

Answer:

C

Explanation:

Amazon Cognito is a service that enables you to add user sign-up and sign-in features to your web and mobile applications. Amazon Cognito also supports social and enterprise identity federation, which means you can allow your users to sign in with their existing credentials from identity providers such as Google, Facebook, Apple, and Amazon. Amazon Cognito integrates with OpenID Connect (OIDC) and Security Assertion Markup Language (SAML) 2.0 protocols to facilitate the authentication and authorization process. Amazon Cognito also provides advanced security features, such as adaptive authentication, user verification, and multi-factor authentication (MFA). References: Amazon Cognito, What is Amazon Cognito?

## Question 2

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Question Type: MultipleChoice

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A company is migrating to the AWS Cloud and plans to run experimental workloads for 3 to 6 months on AWS. Which pricing model will meet these requirements?

Options:

- A- Use Savings Plans for a 3-year term.
- B- Use Dedicated Hosts.
- C- Buy Reserved Instances.
- D- Use On-Demand Instances.

Answer:

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D

Explanation:

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On-Demand Instances are the most flexible and cost-effective pricing model for short-term, experimental, or unpredictable workloads on AWS. On-Demand Instances let you pay only for the resources you use, without any long-term commitments or upfront fees. You can easily start and stop instances as needed, and scale up or down depending on your demand.

Savings Plans, Reserved Instances, and Dedicated Hosts are all pricing models that require a commitment for a certain amount of usage or capacity for a one- or three-year term. These pricing models offer lower prices than On-Demand Instances, but they are not suitable for workloads that only run for 3 to 6 months or have variable usage patterns. Savings Plans and Reserved Instances also offer flexibility to change instance types, sizes, or regions within the same family or pool, while Dedicated Hosts are physical servers that can only run specific instance types.

## Question 3

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Question Type: MultipleChoice

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A company wants to monitor for misconfigured security groups that are allowing unrestricted access to specific ports. Which AWS service will meet this requirement?

Options:

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- A- AWS Trusted Advisor
- B- Amazon CloudWatch
- C- Amazon GuardDuty
- D- AWS Health Dashboard

Answer:

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A

### Explanation:

AWS Trusted Advisor is a service that provides real-time guidance to help optimize AWS resources, improve security, and maximize performance. It includes a Security category that can identify security group configurations that allow unrestricted access to specific ports. It offers recommendations and alerts to help remediate misconfigurations and ensure proper security practices. 1. References:

Amazon CLF-C02: Which AWS service monitor for misconfigured security groups allowing unrestricted access to specific ports - PUPUWEB



## Question 4

Question Type: MultipleChoice

A company wants to query its server logs to gain insights about its customers' experiences.

Which AWS service will store this data MOST cost-effectively?

### Options:

- A- Amazon Aurora
- B- Amazon Elastic File System (Amazon EFS)
- C- Amazon Elastic Block Store (Amazon EBS)
- D- Amazon S3

### Answer:

D



### Explanation:

Amazon S3 is an AWS service that provides scalable, durable, and cost-effective object storage in the cloud. Amazon S3 can store any amount and type of data, such as server logs, and offers various storage classes with different performance and pricing characteristics. Amazon S3 is the most cost-effective option for storing server logs, as it offers low-cost storage classes, such as S3 Standard-Infrequent Access (S3 Standard-IA) and S3 Intelligent-Tiering, that are suitable for infrequently accessed or changing access patterns data. Amazon S3 also integrates with other AWS services, such as Amazon Athena and Amazon OpenSearch Service, that can query the server logs directly from S3 without requiring any additional data loading or

[transformation](#).[References:Amazon S3,Amazon S3 Storage Classes,Querying Data in Amazon S3](#)

## Question 5

Question Type: MultipleChoice

A company is storing sensitive customer data in an Amazon S3 bucket. The company wants to protect the data from accidental deletion or overwriting.

Which S3 feature should the company use to meet these requirements?

Options:

- A- S3 Lifecycle rules
- B- S3 Versioning
- C- S3 bucket policies
- D- S3 server-side encryption

Answer:

B

Explanation:

S3 Versioning is a feature that allows you to keep multiple versions of an object in the same bucket. You can use S3 Versioning to protect your data from accidental deletion or overwriting by enabling it on a bucket or a specific object. S3 Versioning also allows you to restore previous versions of an object if needed. S3 Lifecycle rules are used to automate the transition of objects between storage classes or to expire objects after a certain period of time. S3 bucket policies are used to control access to the objects in a bucket. S3 server-side encryption is used to encrypt the data at rest in S3.[References:S3 Versioning,S3 Lifecycle rules,S3 bucket policies,S3 server-side encryption](#)

## Question 6

Question Type: MultipleChoice

Which AWS service offers object storage?

### Options:

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- A- Amazon RDS
- B- Amazon Elastic File System (Amazon EFS)
- C- Amazon S3
- D- Amazon DynamoDB

### Answer:

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C

### Explanation:

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Amazon S3 is the AWS service that offers object storage. Object storage is a technology that stores and manages data in an unstructured format called objects. Each object consists of the data, metadata, and a unique identifier. Object storage is ideal for storing large amounts of unstructured data, such as photos, videos, email, web pages, sensor data, and audio files<sup>1</sup>. Amazon S3 provides industry-leading scalability, data availability, security, and performance for object storage<sup>2</sup>.

Amazon RDS is the AWS service that offers relational database storage. Relational database storage is a technology that stores and manages data in a structured format called tables. Each table consists of rows and columns that define the attributes and values of the data.

a. Relational database storage is ideal for storing structured or semi-structured data, such as customer records, inventory, transactions, and analytics<sup>3</sup>.

Amazon Elastic File System (Amazon EFS) is the AWS service that offers file storage. File storage is a technology that stores and manages data in a hierarchical format called files and folders. Each file consists of the data and metadata, and each folder consists of files or subfolders. File storage is ideal for storing shared data that can be accessed by multiple users or applications, such as home directories, content repositories, media libraries, and configuration files<sup>4</sup>.

Amazon DynamoDB is the AWS service that offers NoSQL database storage. NoSQL database storage is a technology that stores and manages data in a flexible format called documents or key-value pairs. Each document or key-value pair consists of the data and metadata, and can have different attributes and values depending on the schema. NoSQL database storage is ideal for storing dynamic or unstructured data that requires high performance, scalability, and availability, such as web applications, social media, gaming, and IoT.

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