

# Amazon-Web-Services

## Exam Questions CLF-C01

AWS Certified Cloud Practitioner



#### NEW QUESTION 1

What is the term used to describe giving an AWS user only access to the exact services he/she needs to do the required job and nothing more?  
Choose the Correct Answer

- A. The Least Privilege User Principal
- B. The Principal of Least Privilege
- C. The Only Access Principal.
- D. None of the above

**Answer: B**

#### NEW QUESTION 2

What are the main benefits of On-Demand EC2 instances? (Select all that apply) Choose the 2 Correct answers:

- A. They are the cheapest buying option.
- B. They are the most flexible buying option.
- C. They require 1-2 days for setup and configuration.
- D. Create, start, stop, and terminate at any time

**Answer: BD**

#### Explanation:

On-demand EC2 instances are widely used due to their flexibility. You can create, start, stop, and terminate at any time (with no startup or termination fees). Although due to this flexibility, they are the most expensive buying option.

#### NEW QUESTION 3

How much data can you store in S3?  
Choose the Correct Answer

- A. Storage capacity is virtually unlimited.
- B. You can store up to 1 petabyte of data.
- C. Each account is given 50 gigabytes of storage capacity and no more can be used.
- D. You can store up to 1 petabyte of data, then you are required to pay an additional fee

**Answer: A**

#### Explanation:

Although there is theoretically a capacity limit, as an S3 user, there is no limit on the amount of data you can store in S3.

#### NEW QUESTION 4

You have just set up a brand new AWS account. You want to keep monthly billing under \$100, but you are worried about going over that limit. What can you set up in order to be notified when the monthly bill approaches \$100?  
Choose the Correct Answer

- A. A CloudTrail billing alarm that triggers an SNS notification to your email address.
- B. A SNS billing alarm that triggers a CloudWatch notification to your email address.
- C. A CloudWatch billing alarm that triggers an SNS notification to your email address.
- D. A CloudWatch billing alarm that triggers a CloudTrail notification to your email address

**Answer: C**

#### Explanation:

In CloudWatch, you can set up a billing alarm that will trigger when your monthly bill hits the set threshold. That alarm can then be set up to trigger an SNS topic that will send you a notification that the alarm threshold has been met.

#### NEW QUESTION 5

What TWO services/features are required to have highly available and fault tolerant architecture in AWS?  
Choose the 2 Correct answers:

- A. Elastic Load Balancer
- B. CloudFront
- C. ElastiCache
- D. Auto Scaling

**Answer: AD**

#### NEW QUESTION 6

Which S3 storage class has the lowest object availability rating?  
Choose the Correct Answer

- A. Standard
- B. Reduced Redundancy
- C. Infrequent Access
- D. All of them have the same availability rating

**Answer:** C

**Explanation:**

Infrequent access has the lowest availability rating (99.90%). Standard and Reduced Redundancy have an availability rating of 99.99%

**NEW QUESTION 7**

Which of the following will effect how much you are charged for storing objects in S3? Choose the 2 Correct answers:

- A. The storage class used for the objects stored.
- B. Encrypting data (objects) stored in S3.
- C. Creating and deleting S3 buckets
- D. The total size in gigabytes of all objects store

**Answer:** AD

**NEW QUESTION 8**

What does S3 stand for? Choose the Correct Answer

- A. Simple Storage Service
- B. Simplified Storage Service
- C. Simple Store Service
- D. Service for Simple Storage

**Answer:** A

**NEW QUESTION 9**

Big Cloud Jumbo Corp is beginning to explore migrating their entire on-premises data center to AWS. They are very concerned about how much it will cost once their entire I.T. infrastructure is running on AWS. What tool can you recommend so that they can estimate what the cost of using AWS may be?

Choose the Correct Answer

- A. AWS Estimate Calculator
- B. AWS TCO Calculator
- C. AWS Cost Explorer
- D. AWS Migration Cost Calculator

**Answer:** B

**Explanation:**

The AWS TCO (Total Cost of Ownership) Calculator is a free tool provided by AWS. It allows you to compare your current on-premises cost vs. estimated AWS cost.

**NEW QUESTION 10**

What best describes penetration testing?

Choose the Correct Answer

- A. Testing your applications ability to penetrate other applications.
- B. Testing your IAM users access to AWS services.
- C. Testing your own network/application for vulnerabilities.
- D. None of the abov

**Answer:** C

**NEW QUESTION 10**

Why would a company decide to use AWS over an on-premises data center? (Select all that apply) Choose the 4 Correct answers:

- A. Highly available infrastructure
- B. Elastic resources based on demand
- C. No upfront cost
- D. Cost-effective

**Answer:** ABCD

**Explanation:**

All four answers listed are reasons why a company may decide to use AWS over an on-premises data center.

**NEW QUESTION 15**

What best describes what AWS is?

Choose the Correct Answer

- A. AWS is an online retailer
- B. AWS is the cloud.
- C. AWS is a cloud services provider.
- D. None of the abov

**Answer:** C

#### NEW QUESTION 16

Jeff is building a web application on AWS. He wants to make sure his application is highly available to his customers. What infrastructure components of the AWS cloud allow Jeff to accomplish this goal? (Select all that apply)

Choose the 2 Correct answers:

- A. Availability Zones
- B. Regional Zones
- C. Regions
- D. Data Locations

**Answer:** AC

#### Explanation:

As part of AWS' global infrastructure, Regions and Availability Zones allow for backups and duplicate components to be placed in separate (isolated) areas of the globe. If one region/Availability Zone were to fail, duplicates in other regions/Availability Zones can be used.

#### NEW QUESTION 18

What is AWS's serverless compute service?

Choose the Correct Answer

- A. S3
- B. Lambda
- C. EC2
- D. None of the above

**Answer:** B

#### Explanation:

AWS has two main compute services, EC2 (server-based) and Lambda (serverless).

#### NEW QUESTION 21

What is the availability and durability rating of S3 Standard Storage Class?

Choose the Correct Answer

- A. 99.999999999% Durability and 99.99% Availability
- B. 99.999999999% Availability and 99.90% Durability
- C. 99.999999999% Availability and 99.99% Durability
- D. 99.999999999% Durability and 99.00% Availability

**Answer:** A

#### Explanation:

S3 Standard Storage class has a rating of 99.999999999% durability (referred to as 11 nines) and 99.99% availability.

#### NEW QUESTION 23

You have been tasked by your department head to upload a batch of files to an S3 bucket; however, when you select S3 on the AWS console, you see a notification stating that you do not have permission to access S3. What is the most probable cause of this error?

Choose the Correct Answer

- A. It takes 24 hours to get access to S3.
- B. The S3 service is currently down for maintenance.
- C. You do not have an S3 access policy attached to your IAM user.
- D. Your boss has not enabled proper bucket permission

**Answer:** C

#### Explanation:

If you get an error stating that you do not have proper permissions to access/use an AWS service, then most likely your IAM user does not have the proper permission policy attached.

#### NEW QUESTION 24

Thomas is managing the access rights and credentials for all the employees that have access to his company's AWS account. This morning, he was notified that some of these accounts may have been compromised, and he now needs to change the password policy and re-generate a new password for all users. What AWS service does Thomas need to use in order to accomplish this?

Choose the Correct Answer

- A. Policy and Access Management
- B. Elastic Cloud Compute
- C. Access Management
- D. None of the above

**Answer:** D

#### Explanation:

Identity and Access Management (IAM) is the AWS service where password policies and user credentials are managed. (Policy and Access Management as a service does not exist).

#### NEW QUESTION 28

What are the primary benefits of using Lambda? (Select all that apply) Choose the 2 Correct answers:

- A. Pay for only the compute time you consume.
- B. Wide variety of operating systems to select from.
- C. Actively select and manage instance type and capacity.
- D. Run code without provisioning server

**Answer:** AD

#### Explanation:

Lambda, being AWS's serverless compute platform, means there are no servers, instance types, or capacity to select. That is all managed for you. With Lambda, you only pay for the when your code is actually being executed.

#### NEW QUESTION 32

If you have a set of frequently accessed files that are used on a daily basis, what S3 storage class should you store them in? Choose the Correct Answer

- A. Infrequent Access
- B. Reduced Redundancy
- C. Standard
- D. Fast Access

**Answer:** C

#### Explanation:

The Standard storage class should be used for files that you access on a daily or very frequent basis.

#### NEW QUESTION 35

You notice that five of your 10 S3 buckets are no longer available in your account, and you assume that they have been deleted. You are unsure who may have deleted them, and no one is taking responsibility. What should you do to investigate and find out who deleted the S3 buckets? Choose the Correct Answer

- A. Look at the S3 logs.
- B. Look at the CloudTrail logs.
- C. Look at the CloudWatch Logs.
- D. Look at the SNS log

**Answer:** B

#### Explanation:

CloudTrail is logging service that logs actions taken by AWS users in your AWS account, such as creating/deleting S3 buckets, starting/stopping EC2 instances, etc.

#### NEW QUESTION 38

What services has built-in DDoS mitigation and/or protection? Choose the Correct Answer

- A. EC2
- B. RDS
- C. SNS
- D. None of the above

**Answer:** D

#### Explanation:

AWS services with built-in DDoS mitigation/protection include: 1) Route 53 2) CloudFront 3) WAF (web application firewall) 4) Elastic Load Balancing 5) VPCs and Security Groups

#### NEW QUESTION 40

Derek is running a web application and is noticing that he is paying for way more server capacity than is required. What AWS feature should Derek set up and configure to ensure that his application is automatically adding/removing server capacity to keep in line with the required demand? Choose the Correct Answer

- A. Auto Scaling
- B. Elastic Server Scaling
- C. Elastic Load Balancing
- D. Auto Sizing

**Answer:** A

#### Explanation:

Auto scaling is the feature that automated the process of adding/removing server capacity from a system (based on usage demand). Auto scaling creates a very cost effective system by never having too much or too little server capacity.

#### NEW QUESTION 41

Matt is working on a projects that involves converting an images format from .png to .jpg. Thousands of images have to be converted; however, time is not really an issue and continual processing is not required. What type of EC2 buying option would be most cost-effective for Matt to use?

Choose the Correct Answer

- A. Spot
- B. On-demand
- C. Reserved
- D. None of the above

**Answer:** A

**Explanation:**

Spot instances offer the cheapest option of all EC2's buying options. However, spot instances should only be used when there can be interruptions in the processing jobs being conducted. This is due to the fluctuation in spot pricing. If the spot price goes above your bid price, then you will lose access to the spot instance (thus causing a stoppage in processing).

**NEW QUESTION 44**

Tracy has created a web application, placing it's underlining infrastructure in the N. Virginia (US-East-1) region. After several months, Tracy notices that much of the traffic coming to her website is coming from Japan. What can Tracy do to (best) help reduce latency for her users in Japan?

Choose the Correct Answer

- A. Copy the current VPC and located in US-East-1 and ask AWS to move it to a region closest to Japan
- B. Create a and manage a complete duplicate copy of the web application and its infrastructure in a region closest to Japan.
- C. Create a CDN using CloudFront, making sure the proper content is cached at Edge Locations closest to Japan.
- D. Create a CDN using CloudCache, making sure the proper content is cached at Edge Locations closest to Japan.

**Answer:** C

**Explanation:**

CloudFront is AWS's content delivery network (CDN) service. You can use it to cache web content at edge locations what are closest to you customers. This will decrease latency for the customer and improve overall performance.

**NEW QUESTION 45**

What AWS service help you estimate the cost of using AWS vs. an on-premises data center?

Choose the Correct Answer

- A. Cost Explorer
- B. Consolidated Billing
- C. TCO Calculator
- D. None of the above

**Answer:** C

**Explanation:**

The TCO (total cost of ownership) calculator helps you estimate the cost of using AWS vs. an onpremises data center.

**NEW QUESTION 47**

What AWS feature acts as a traffic distribution regulator, making sure each EC2 instance in a system get the same amount of traffic?

Choose the Correct Answer

- A. Availability Zone
- B. ELB
- C. NACL
- D. Auto Scaling

**Answer:** B

**Explanation:**

An Elastic Load Balancer is responsible for evenly distributing incoming web traffic between all the EC2 instances associated with it. This help prevent one server from becoming overloaded with traffic, while another server remains underutilized.

**NEW QUESTION 49**

What best describes Amazon Web Services (AWS)?

Choose the Correct Answer

- A. AWS only provides compute and storage services.
- B. AWS is the cloud.
- C. AWS is a cloud services provider.
- D. None of the abov

**Answer:** C

**Explanation:**

AWS is defined as a cloud services provider. They provide hundreds of services of which compute and storage are included (not limited to).

**NEW QUESTION 51**

What are the four primary benefits of using the cloud/AWS?

Choose the Correct Answer

- A. Elasticity, scalability, easy access, limited storage.
- B. Fault tolerance, scalability, elasticity, and high availability.
- C. Unlimited storage, limited compute capacity, fault tolerance, and high availability.
- D. Fault tolerance, scalability, sometimes available, unlimited storage

**Answer:** B

**Explanation:**

Fault tolerance, scalability, elasticity, and high availability are the four primary benefits of AWS/the cloud.

**NEW QUESTION 55**

What is the purpose of a DNS server?

Choose the Correct Answer

- A. To serve web application content.
- B. To convert common language domain names to IP addresses.
- C. To convert IP addresses to common language domain names.
- D. To act as an internet search engine

**Answer:** B

**Explanation:**

Domain name system servers act as a "third party" that provides the service of converting common language domain names to IP addresses (which are required for a web browser to properly make a request for web content).

**NEW QUESTION 57**

What best describes the concept of elasticity?

Choose the Correct Answer

- A. The ability for a system to grow in size, capacity, and/or scope.
- B. The ability for a system to withstand a certain amount of failure and still remain functional.
- C. The ability for a system to grow and shrink based on demand.
- D. The ability for a system to be accessible when you attempt to access it

**Answer:** C

**Explanation:**

Elasticity (think of a rubber band) defines a system that can easily (and cost-effectively) grow and shrink based on required demand.

**NEW QUESTION 58**

Mike is setting up the infrastructure for a web application that requires three EC2 instances to handle the expected demand. However, when testing the application, Mike finds that all traffic to the application is being routed to only one of the servers. What AWS feature should he add to his application in order to have traffic evenly distributed between all three servers?

Choose the Correct Answer

- A. Elastic Load Balancer
- B. Auto Scaling
- C. Route 53
- D. CloudFront

**Answer:** A

**Explanation:**

An Elastic Load Balancer is designed to evenly distribute incoming web traffic between all servers that are associated with it.

**NEW QUESTION 61**

Karen is building a website that is expected to have a minimum of 1000 users continually over the course of 24 hours. For 8 hours each day, traffic is expected to be at about 1800 users. What EC2 buying options should she use to handle all the traffic and be most cost-effective?

Choose the Correct Answer

- A. Karen should rely solely on spot instances since that will be the cheapest option.
- B. Karen should buy enough reserved instance capacity to handle all 1800 users and probably buy a little more capacity just in case it is needed.
- C. Karen should buy reserved instances with enough capacity to cover the baseline of 1000 users, then rely on on-demand instances for the 8 hour period of increased traffic each day.
- D. Karen should buy reserved instances with enough capacity to cover the baseline of 1000 users, then rely on spot instances for the 8 hour period of increased traffic each day.

**Answer:** C

**Explanation:**

Reserved instances should be used to handle the expected baseline traffic to the website. Reserved instances (in 1/3 year term) can be purchased as a significant discount over on-demand instances. Any varying traffic above the baseline should be handled with on-demand instances (since they can be added/removed at any time, based on current demand). Spot instances should not be used in this scenario.

**NEW QUESTION 63**

Amit is running a web application with a capacity of 5000 users. Every few days, traffic reaches 5000 users and any additional users are being denied access. What can Amit do to efficiently automate the process of adding and removing server capacity based on traffic demand?

Choose the Correct Answer

- A. Enable elastic load balancing on his application.
- B. Automating this process cannot be done
- C. Enable auto scaling on his application.
- D. Write a custom script to automate the process

**Answer: C**

**Explanation:**

Auto scaling in AWS allows you to configure metric-based rules that (when triggered) will add and/or remove instances (server capacity) to your application. Adding/moving instances is then automated based on the metric rules you configure.

**NEW QUESTION 68**

An Edge Location is a specialized AWS data center that works in conjunction with what AWS service?

Choose the Correct Answer

- A. Route 53
- B. CloudWatch
- C. Lambda
- D. CloudFront

**Answer: D**

**Explanation:**

CloudFront is comprised of a network of Edge Locations (which is where content is cached).

**NEW QUESTION 71**

Donna needs to provision a Linux server to run a web application on. What AWS service should she use to create the Linux server?

Choose the Correct Answer

- A. VPC
- B. Lambda
- C. IAM
- D. EC2

**Answer: D**

**Explanation:**

Elastic Cloud Compute (EC2) is AWS server-based compute service platform. You can use it to provision and use Linux- and Windows-based servers.

**NEW QUESTION 76**

What are two open source in-memory engines supported by ElastiCache? Choose the 2 Correct answers:

- A. Redis
- B. Aurora
- C. Cachelt
- D. Memcached

**Answer: AD**

**NEW QUESTION 79**

What is the major difference between AWS's RDS and DynamoDB database services?

Choose the Correct Answer

- A. RDS offers NoSQL database options, and DynamoDB offers SQL database options.
- B. RDS offers on SQL database option, and DynamoDB offers many NoSQL database options.
- C. RDS offers SQL database options, and DynamoDB offers a NoSQL database option.
- D. None of the above

**Answer: C**

**Explanation:**

RDS is a SQL database service (that offers several database engine options), and DynamoDB is a NoSQL database option that only offers one NoSQL engine.

**NEW QUESTION 84**

If you want to monitor the average CPU usage of your EC2 instances, which AWS service should you use?

Choose the Correct Answer

- A. CloudMonitor
- B. CloudTrail
- C. CloudWatch
- D. None of the above

**Answer: C**

**Explanation:**

CloudWatch is used to collect, view, and track metrics for resources (such as EC2 instances) in your AWS account.

#### NEW QUESTION 86

What SQL database engine options are available in RDS? (Select all that apply) Choose the 3 Correct answers:

- A. MariaDB
- B. PostgreSQL
- C. MongoDB
- D. MySQL

**Answer:** ABD

#### Explanation:

RDS offers the following SQL options: Aurora MySQL MariaDB PostgreSQL Oracle Microsoft SQLServer

#### NEW QUESTION 87

Which AWS service uses a combination of publishers and subscribers?  
Choose the Correct Answer

- A. SNS
- B. RDS
- C. EC2
- D. Lambda

**Answer:** A

#### Explanation:

In SNS, there are two types of clients: publishers and subscribers. Publishers send the message, and subscribers receive the message.

#### NEW QUESTION 91

If you want to learn about AWS architectural or security best practices, where will you find that type of information?  
Choose the Correct Answer

- A. AWS Yellow Pages
- B. AWS Console Info Section
- C. AWS White Papers
- D. AWS Service Documentation

**Answer:** C

#### Explanation:

White papers are a collection of technical documents that outlines many AWS relevant topics.

#### NEW QUESTION 95

What is a main benefit of consolidated billing?  
Choose the Correct Answer

- A. Faster response from AWS technical support.
- B. Gain a volume discount for usage across all your AWS accounts.
- C. Access to a higher support plan level.
- D. None of the above

**Answer:** B

#### Explanation:

Consolidated billing allows you to view, manage, and pay bills for multiple AWS accounts in one user interface. Volume discounts can be earned by combining the usage from all accounts your own.

#### NEW QUESTION 97

What best describes the difference between the TCO Calculator and the Cost Explorer?  
Choose the Correct Answer

- A. The TCO Calculator help you analyze current AWS usage charges; the Cost Explorer helps you estimate the cost savings of using AWS.
- B. The TCO Calculator helps you estimate the cost savings of using AWS; the Cost Explorer help you analyze current AWS usage charges.
- C. The Cost Explorer helps you calculate hourly EC2 Usage cost; the TCO Calculator is a price list for each AWS service.
- D. The Cost Explorer is a price list for each AWS service; the TCO Calculator helps you calculate hourly EC2 Usage cost.

**Answer:** B

#### Explanation:

The TCO calculator is a free tool provided by AWS that allows you to estimate the cost savings of using AWS vs. using an on-premises data center. The Cost Explorer is a free tool that allows you to view charges of your cost (helps you analyze where you are spending money).

#### NEW QUESTION 102

What does TCO stand for?  
Choose the Correct Answer

- A. Tally of Cost Ownership
- B. Total Continual Ownership
- C. The Cost of Ownership
- D. None of the above

**Answer:** D

**Explanation:**

TCO stand for Total Cost of Ownership.

**NEW QUESTION 104**

What categories fall under those analyzed by the AWS Trusted Advisor program? (Select all that apply)  
Choose the 2 Correct answers:

- A. Fault tolerance
- B. Scalability
- C. Cost optimization
- D. None of the above

**Answer:** AC

**Explanation:**

The AWS Trusted Advisor program will analyze your account with check in the following categories: Cost Optimization Performance Security Fault Tolerance

**NEW QUESTION 109**

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