

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 AWS service must you use if you want to configure an AWS billing alarm? Choose the Correct Answer

- A. CloudWatch
- B. CloudMonitor
- C. Consolidated billing
- D. CloudTrail

Answer: A

Explanation:

CloudWatch is the AWS service that allows you to collect metrics, and create alarms based on those metrics. Billing metrics can be tracked in CloudWatch, therefore billing alarms can be created.

NEW QUESTION 3

What are some common uses of AWS? (Select all that apply) Choose the 4 Correct answers:

- A. Networking
- B. Analytics
- C. Storage
- D. Virtualization

Answer: ABCD

Explanation:

All of the answers are common uses of AWS. AWS has thousands of different uses. In this course we discussed some of the major categories, including: Storage Compute Power Databases Networking Analytics Developer Tools Virtualization Security

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 hit 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

The concept of elasticity is most closely associated with which of the following?
Choose the Correct Answer

- A. Auto Scaling
- B. Network Security
- C. Serverless Computing
- D. Elastic Load Balancing

Answer: A

Explanation:

Elasticity is the concept that a system can easily (and cost-effectively) both increase in capacity based on-demand and also shrink in capacity based on-demand. Auto Scaling on AWS is specifically designed to (automatically) increase and decrease server capacity based on-demand.

NEW QUESTION 6

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 7

Kunal is managing an application running on an on-premises data center. What best describes the challenges he faces that someone using the AWS cloud does not?

Choose the Correct Answer

- A. Kunal must research what size (compute capacity) servers he needs to run his application.
- B. Kunal must know how to properly configure network level security.
- C. Kunal must predict future growth, and scaling can be costly and time consuming.
- D. None of the above

Answer: C

Explanation:

Scaling is much faster and cost-effective on the AWS cloud. With on-demand instances and autoscaling, future growth does not have to be predicted. More compute capacity can be added gradually as demand increases.

NEW QUESTION 8

What AWS storage class should be used for long-term, archival storage?

Choose the Correct Answer

- A. Glacier
- B. Long-Term
- C. Standard
- D. Infrequent Access

Answer: A

Explanation:

Glacier should be used for (and is specifically designed for) long-term, archival storage.

NEW QUESTION 9

Kim is managing a web application running on the AWS cloud. The application is currently utilizing eight EC2 servers for its compute platform. Earlier today, two of those web servers crashed; however, none of her customer were affected. What has Kim done correctly in this scenario?

Choose the Correct Answer

- A. Properly built an elastic system.
- B. Properly built a scalable system
- C. Properly build a fault tolerant system.
- D. None of the above

Answer: C

Explanation:

A fault tolerant system is one that can sustain a certain amount of failure while still remaining operational.

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 10

Before moving and/or storing object in AWS Glacier, what considerations should you make regarding the data you want to store.

Choose the Correct Answer

- A. Make sure the data is properly formatted for storage Glacier.

- B. Make sure the total amount of data you want to store is under 1 terabyte in size.
- C. Make sure you are ok with it taking at minimum a few minutes to retrieve the data once stored in Glacier.
- D. None of the above

Answer: C

Explanation:

Objects stored in Glacier take time to retrieve. You can pay for expedited retrieval, which will take several minutes - OR wait several hours (for normal retrieval).

NEW QUESTION 15

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 19

S3 storage classes are rated by what two metric categories? (Select two) Choose the 2 Correct answers:

- A. Objectivity
- B. Durability
- C. Availability
- D. Fault tolerance

Answer: BC

Explanation:

Each S3 storage class is rated on its availability and durability.

NEW QUESTION 23

What is the most common type of storage used for EC2 instances?
Choose the Correct Answer

- A. Elastic File System (EFS)
- B. EC2 Hard Drives
- C. Elastic Block Store (EBS)
- D. Magnetic Drive (MD)

Answer: C

Explanation:

EC2 instances have several different hard drive options. However, Elastic Block Store (EBS), which is a type of Network Attached Storage, is the most popular and widely used.

NEW QUESTION 27

What AWS service has built-in DDoS mitigation?
Choose the Correct Answer

- A. CloudFront
- B. CloudTrail
- C. CloudWatch
- D. EC2

Answer: A

Explanation:

With CloudFront, you cache content at Edge Locations, which shield your underlying application infrastructure from DDoS attacks.

NEW QUESTION 28

Which of the following will effect price you pay for an EC2 instance? (Select all that apply) Choose the 3 Correct answers:

- A. Instance Type.
- B. Selected Storage Class
- C. How long you use the instance for.
- D. Amazon Machine Image (AMI).

Answer: ACD

Explanation:

EC2 instance pricing varies depending on many variables. 1) The type of buying option 2) Selected Ami 3) Selected instance type 4) Region 5) Data in/out 6)

Storage capacity

NEW QUESTION 31

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 36

What should you do if you believe your AWS account has been compromised? (Select all that apply) Choose the 4 Correct answers:

- A. Delete any resources in your account that you did not create.
- B. Respond to any notifications you received from AWS through the AWS Support Center.
- C. Change all IAM user's passwords.
- D. Delete or rotate all programmatic (API) access key

Answer: ABCD

Explanation:

All these answers are actions you should take if you believe you account has been compromised.

NEW QUESTION 38

If you are using an on-demand EC2 instance, how are you being charged for it?

Choose the Correct Answer

- A. You are charged per second, based on an hourly rate, and there are no termination fees.
- B. You are charged by the hour and must pay a partial upfront fee.
- C. You must commit to a one or three year term and pay upfront.
- D. You are charged per second, based on an hourly rate, and there is a termination fee

Answer: A

Explanation:

On-demand EC2 instances are exactly that, on-demand. There are no upfront or termination fees, and you are charged for each second of usage (based on an hourly rate).

NEW QUESTION 42

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

David is managing a web application running on dozens of EC2 servers. He is worried that if something goes wrong with one of the servers he will not know about it in a timely manner. What solution could you offer to help him keep updated on the status of his servers?

Choose the Correct Answer

- A. Configure each EC2 instance with a custom script to email David when any issues occur.
- B. Configure RDS notifications based on CloudWatch EC2 metric alarms.
- C. Enable CloudTrail to log and report any issues that occur with the EC2 instances.
- D. Configure SNS notifications based on CloudWatch EC2 metric alarm

Answer: D

Explanation:

CloudWatch is used to track metrics on all EC2 instances. Metric alarms can be configured to trigger SNS messages if something goes wrong.

NEW QUESTION 45

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 46

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 49

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 50

What best describes the concept of fault tolerance?

Choose the Correct Answer

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

Answer: A

Explanation:

Fault tolerance describes the concept of a system (in our case a web application) to have failure in some of its components and still remain accessible (highly available). Fault tolerant web applications will have at least two web servers (in case one fails).

NEW QUESTION 51

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 53

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 60

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 64

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 an 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 65

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 70

Under what circumstances would you choose to use the AWS service CloudTrail?

Choose the Correct Answer

- A. When you want to collect and view resource metrics.
- B. When you want to log what actions various IAM users are taking in your AWS account.
- C. When you want a serverless compute platform.
- D. When you want to send SMS notifications based on events that occur in your account

Answer: B

Explanation:

CloudTrail is AWS's logging service used to log actions taken by users in your AWS account.

NEW QUESTION 71

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 72

Consolidated billing is managed through what AWS service?
Choose the Correct Answer

- A. AWS TCO
- B. AWS Billing Manager
- C. AWS Consolidated Management
- D. AWS Organizations

Answer: D

Explanation:

AWS Organizations is where you can manage multiple AWS accounts in one place (including its billing features, such as consolidated billing).

NEW QUESTION 73

What MUST you do before you do any penetration testing on your account?
Choose the Correct Answer

- A. Penetration testing is now allowed.
- B. Contact AWS and let them know first.
- C. Nothing, you are free to do penetration testing whenever you like.
- D. None of the above

Answer: B

Explanation:

You must contact AWS before doing any penetration testing on your account. If you do not notify AWS first, they may shut down your account.

NEW QUESTION 78

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 79

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