Exam Questions CLF-C01

AWS Certified Cloud Practitioner

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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 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 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 fe

Answer: A

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

NEW QUESTION 4
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 5
Which S3 storage class has 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 6
What endpoints are possible to send messages to with Simple Notification Service? (Select all that apply)
Choose the 3 Correct answers:

A. SMS
B. FTP
C. SQS
D. Lambda

Answer: ACD

NEW QUESTION 7
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 8
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 effected. 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 abov

Answer: C

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

NEW QUESTION 9
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
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 10
What is one benefit AND one drawback of buying a reserved EC2 instance? (Select two) Choose the 2 Correct answers:

A. You can terminate the instance at any time without any further pricing commitment.
B. Reserved instances can be purchased as a significant discount over on-demand instances.
C. You can potentially save a lot of money by placing a lower "bid" price.
D. You are locked in to either a one- or three-year pricing commitmen

Answer: BD

Explanation:
Reserved instances require a one- or three-year purchase term, so you are committing to paying for that much compute capacity for that full time period. However, in exchange for the long-term commitment, you will receive a discount (of up to 75%) over using an on-demand instance (for that same time period).

NEW QUESTION 13
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 seperate (isolated) areas of the

globe. If one region/Availability Zone
were to fail, duplicates in other regions/Availability Zones can be used.

NEW QUESTION 14
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 18
Stephen is having issues tracking how much compute capacity his application is using. Ideally, he wants to track and have alarms for when CPU utilization goes
over 70%. What should Stephen do to accomplish this?
Choose the Correct Answer

A. Configure an SNS topic with an alarm threshold set to trigger when CPU utilization is greater than 70%.
B. Configure a CloudWatch alarm with an alarm threshold set to trigger when CPU utilization is greater than 70%.
C. Configure a CloudWatch alarm with an alarm threshold set to trigger when CPU utilization is greater than or equal to 70%.
D. None of the abov

Answer: B

Explanation:
The answer is to configure a CloudWatch alarm with an alarm threshold set to trigger when CPU utilization is greater than 70%. This will display the alarm in
"alarm" state when CPU utilization is greater than 70%. This question has been worded very specifically with the works "goes above 70%". This disqualifies the
answer that stated "great than or equal to 70%". The AWS exam will have very tricky questions like this.

NEW QUESTION 23
If you want to easily share a file with a friend, family or coworker, what AWS solution should you use?
Choose the Correct Answer

A. Mail them a flash drive with the file on it.
B. Create an EC2 instance and give provide login credentials so others can access the file.
C. Upload the object to S3 and share it via its object's S3 public object URL.
D. None of the abov

Answer: C

Explanation:
You can easily share objects uploaded into S3 by provided others with the object's URL.

NEW QUESTION 26
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 instance 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 30
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 go 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 and AWS service, then most likely your IAM user does not have the proper

permission policy attached.

NEW QUESTION 34
What are the benefits of AWS's Relational Database Service (RDS)? (Select all that apply) Choose the 3 Correct answers:

A. Resizable capacity
B. Automated patches and backups
C. Cost-efficient
D. None of the above

Answer: ABC

NEW QUESTION 36
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 various 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 39
If you want in-depth details on how to create, manage, and attach IAM access policies to IAM users, in what AWS resource should you look?
Choose the Correct Answer

A. AWS How-To-Help Section
B. AWS Service Documentation
C. AWS Whitepapers
D. None of the above

Answer: B

Explanation:
AWS Service documentation is a collection of documents specific to each AWS service. They contain detailed how-to's, as well as technical walkthroughs and specifications.

NEW QUESTION 44
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 migigation/protection include: 1) Route 53 2) CloudFront 3) WAF (web application firewall) 4) Elastic Load Balancing 5) VPCs and Security Groups

NEW QUESTION 46
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 programatic (API) access key

Answer: ABCD

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

NEW QUESTION 47
Under what circumstances would someone want to use ElastiCache? (Select all that apply) Choose the 2 Correct answers:

A. They need a NoSQL database option
B. They need to use Edge Locations to cache content
C. The need improved improve the performance of their web application.
D. They need in-memory data store servic

Answer: CD

Explanation:
ElastiCache is used as an in-memory data store or cache in the cloud. Benefits include improved performance for web applications (that rely on information stored in a database). Edge Locations are used for caching content with the CloudFront service, so that is not a answer here.

NEW QUESTION 50
Derek is running a web application and is noticing that he is paying for way more server capacity then 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 53
What AWS service uses Edge Locations for content caching?
Choose the Correct Answer

A. ElastiCache
B. Route 53
C. CloudFront
D. CloudCache

Answer: C

Explanation:
CloudFront is a content caching service provided by AWS that utilizes "Edge Locations," which are AWS data centers located all around the world.

NEW QUESTION 57
What is the purpose of AWS's Route 53 service? (Select all that apply) Choose the 2 Correct answers:

A. Content Caching
B. Database Management
C. Domain Registration
D. Domain Name System (DNS) service

Answer: CD

Explanation:
Route 53 is AWS's domain and DNS management service. You can use it to register new domain names, as well as manage DNS record sets.

NEW QUESTION 61
What are the benefits of AWS Organizations? (Select all that apply)
Choose the 2 Correct answers:

A. Analyze cost across all multiple AWS accounts.
B. Automate AWS account creation and management.
C. Centrally manage access polices across multiple AWS accounts.
D. None of the abov

Answer: BC

Explanation:
AWS Organizations has four main benefits: 1) Centrally manage access polices across multiple AWS accounts. 2) Automate AWS account creation and management. 3) Control access to AWS services 4) Enable consolidated billing across multiple AWS accounts Analyzing cost is done through the Cost Explorer (or TCO calculator), which is not part of AWS Organizations.

NEW QUESTION 66
What AWS service allows you to have your own private network in the AWS cloud?
Choose the Correct Answer

A. Virtual Private Network (VPN)
B. Virtual Private Cloud (VPC)
C. Virtual Cloud Network (VCN)
D. None of the abov

Answer: B

Explanation:

A Virtual Private Cloud (VPC) is a private sub-section of AWS that is your own private network. You control what resources you place inside the VPC and the security features around it.

NEW QUESTION 70
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 fe

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 74
What best describes an AWS region?
Choose the Correct Answer

A. A specific location where an AWS data center is located.
B. An isolated collection of AWS Availability Zones, of which there are many placed all around the world.
C. The physical networking connections between Availability Zones.
D. A collection of DNS server

Answer: B

Explanation:
An AWS region is an isolated geographical area that is is comprised of three or more AWS Availability Zones.

NEW QUESTION 77
What best describes the concept of high availability?
Choose the Correct Answer

A. The ability for a system to grow and shrink based on demand.
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 in size, capacity, and/or scope.
D. The ability for a system be accessible when you attempt to access i

Answer: D

Explanation:
High availability refers to the concept that something will be accessible when you try to access it. An object or web application is "highly available" when it is accessible a vast majority of the time.

NEW QUESTION 80
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 be accessible when you attempt to access i

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 82
What are the TWO main security layers (firewalls) used inside a VPC? Choose the 2 Correct answers:

A. NetProtect
B. Network Access Control List
C. Security Group
D. Security Lists

Answer: BC

Explanation:
Network Access Control Lists (NACL) act as a firewall on the subnet level, and Security Groups act as a firewall on the instance level.

NEW QUESTION 87
What is a main benefit of CloudFront?

Choose the Correct Answer

A. DNS management
B. Unlimited storage
C. Serverless compute capacity
D. Built-in DDoS protection

Answer: D

Explanation:
CloudFront allows you to cache content at edge locations. When a request is made for that content, the request is sent to an edge location (not your applications hardware), so the edge locations will absorb any DDoS attack and protect your underlining hardware.

NEW QUESTION 91
If you have a large collection of reproducible objects, which S3 storage class should you use if low cost is your priority?
Choose the Correct Answer

A. Glacier
B. Standard
C. Reduced Redundancy
D. None of the above

Answer: C

Explanation:
The reduced redundancy storage class has the lowest durability of all the storage classes. This means object stored in this storage class have the highest probability of being lost. So you should only store objects in this storage class if they can be easily reproduced. In exchange for the lower durability, the cost is lower than the standard storage class.

NEW QUESTION 92
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 93
Jacky is creating a website using AWS infrastructure. She has a great idea for a domain name but needs to see if it's available and, if so, register it. What AWS service will allow her to do this?
Choose the Correct Answer

A. CloudFront
B. DomainServices
C. CloudWatch
D. Route 53

Answer: D

Explanation:
Route 53 is AWS's domain and DNS management service. (DomainServices does not exist).

NEW QUESTION 95
Kunal is logged into his company's AWS account. He tries to access EC2 but is getting an error. What is the most likely reason why he cannot access EC2?
Choose the Correct Answer

A. There is not an IAM access policy attached to his IAM user.
B. He is not part of an IAM Group.
C. He does not have multi-factor authentication (MFA) enabled.
D. There is not an IAM access policy attached to his IAM rol

Answer: A

Explanation:
When an IAM user is created, that user has NO access to any AWS services. To gain access to an AWS server, an IAM user must have permission granted to them. This is done by attached an IAM access policy to their IAM user (or through an attached group). However, just being in a group does not grant access. A proper policy would need to be attached to that group.

NEW QUESTION 99
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 102
What AWS database service is used for data warehousing of petabytes of data?
Choose the Correct Answer

A. RDS
B. Elasticache
C. Redshift
D. DynamoDB

Answer: C

Explanation:
Redshift is a fully-managed data warehouse that is perfect for storing petabytes worth of data.

NEW QUESTION 103
What is the name of AWS's RDS SQL database engine?
Choose the Correct Answer

A. Lightsail
B. SNS
C. MySQL
D. Aurora

Answer: D

Explanation:
AWS created their own custom SQL database engine, which is called Aurora.

NEW QUESTION 105
What is AWS's relational database service?
Choose the Correct Answer

A. Redshift
B. DymamoDB
C. ElastiCache
D. RDS

Answer: D

Explanation:
RDS offers SQL database options - otherwise known as relational databases.

NEW QUESTION 109
What SQL database engine options are available in RDS? (Select all that apply) Choose the 3 Correct answers:

A. MariaDB
B. PostreSQL
C. MongoDB
D. MySQL

Answer: ABD

Explanation:
RDS offers the following SQL options: Aurora MySQL MariaDB PostreSQL Oracle Miscrosft SQLServer

NEW QUESTION 112
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 114
In the AWS Shared Responsibility Model, what is AWS responsible for? (Select all that apply) Choose the 2 Correct answers:

A. Physical security of the AWS data centers
B. Server-side encryption
C. Network level security
D. The maintenance of the hosts virtualization softwar

Answer: AD

NEW QUESTION 115
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 it's billing features, such as consolidated billing).

NEW QUESTION 120
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