CLF-C01 Dumps

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 you create and S3 bucket, what rules must be followed regarding the bucket name? (Select all that apply) Choose the 2 Correct answers:

A. Bucket names must be unique across all of AWS.
B. Bucket names must be between 3-63 characters in length.
C. Bucket names must contain at least one uppercase letter
D. Bucket names can be formatted as IP addresses

Answer: AB

Explanation:
Although certain regions do allow for uppercase letters in the bucket name, uppercase letters are NOT required. Also, a bucket name cannot be formatted as an IP address.

NEW QUESTION 3
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 4
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 5
What best describes the purpose of having many Availability Zones in each AWS region?
Choose the Correct Answer

A. Multiple Availability Zones allow for fault tolerance but not high availability.
B. Multiple Availability Zones allow for cheaper prices due to competition between them.
C. Multiple Availability Zones allow for duplicate and redundant compute, and data backups.
D. None of the abov

Answer: C

Explanation:
Availability Zones work together within a region to provide users with the ability to easily setup and configure redundant architecture and backup solutions

NEW QUESTION 6
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 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
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
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
You are trying to organize and import (to AWS) gigabytes of data that are currently structured in JSON-like, name-value documents. What AWS service would best fit your needs?
Choose the Correct Answer

A. Lambda
B. Aurora
C. RDS
D. DynamoDB

Answer: D

Explanation:
DynamoDB is AWS's NoSQL database offering. NoSQL databases are for non-structured data that are typically stored in JSON-like, name-value documents.

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 13
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 18
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 in 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 abov

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 22
John is working with a large data set, and he needs to import it into a relational database service. What AWS service will meet his needs?
Choose the Correct Answer

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

Answer: A

Explanation:
RDS is AWS's relational database service.

NEW QUESTION 25
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 26
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 30
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 35
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 underlining application infrastructure from DDoS attacks.

NEW QUESTION 39
Thomas is managing the access rights and credentials for all the employees that have access to his company's AWS account. This morning, his 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 abov

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 40
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 44
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 47
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 51
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 52
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 55
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 57
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 60
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 64
What AWS database is primarily used to analyze data using standard SQL formatting with compatibility for your existing business intelligence tools?
Choose the Correct Answer

A. ElastiCache
B. DynamoDB
C. Redshift

D. RDS

Answer: C

Explanation:
Redshift is a database offering that is fully-managed and used for data warehousing and analytics, including compatibility with existing business intelligence tools.

NEW QUESTION 66
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 69
What best describes a simplified definition of the "cloud"?
Choose the Correct Answer

A. All the computers in your local home network.
B. A computer located somewhere else that you are utilizing in some capacity.
C. An on-premisis data center that your company owns.
D. Your internet service provider

Answer: B

Explanation:
The simplest definition of the cloud is a computer that is located somewhere else that you are
utilizing in some capacity. AWS is a cloud services provider, as the provide access to computers they own (located at AWS data centers), that you use for various purposes.

NEW QUESTION 70
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 engin

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 71
What best describes the concept of scalability?
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 in size, capacity, and/or scope.
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: B

Explanation:
Scalability refers to the concept of a system being able to easily (and cost-effectively) scale UP. For web applications, this means the ability to easily add server capacity when demand requires.

NEW QUESTION 76
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 find 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 77
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 79
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 80
Children's All Saints Hospital has millions of old medical records that they must save for regulatory reasons. These records will most likely never be accessed again. What is the best and most costeffective S3 storage option that will meet the hospitals needs?
Choose the Correct Answer

A. Standard
B. Infrequent Access
C. Glacier
D. Reduced Redundacy

Answer: C

Explanation:
Glacer is specifically designed for long-term archival storage. It is extremely inexpensive and should only be used for items that you access very infrequently.

NEW QUESTION 83
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 85
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 86
What are two open source in-memory engines supported by ElastiCache? Choose the 2 Correct answers:

A. Redis
B. Aurora
C. CacheIt
D. MemcacheD

Answer: AD

NEW QUESTION 88
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 89
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 92
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 94
If you want to have SMS or email notifications sent to various members of your department with status updates on resources in your AWS account, what service should you choose?
Choose the Correct Answer

A. STS
B. RDS
C. GetSMS
D. SNS

Answer: D

Explanation:
Simple Notification Service (SNS) is what publishes messages to SMS and/or email endpoints.

NEW QUESTION 97
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 notificaitions based on events that occur in your accoun

Answer: B

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

NEW QUESTION 99
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 101
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 102
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 103
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 107
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