Exam Questions AWS-Certified-Cloud-Practitioner

Amazon 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 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 filexible buying option.
C. They require 1-2 days for setup and configuration.
D. Create, start, stop, and terminate at any tim

Answer: BD

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

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
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 7
Your company's upper management is getting very nervous about managing governance, compliance, and risk auditing in AWS. What service should you enable and inform upper management about?
Choose the Correct Answer

A. CloudAudit
B. CloudTrail
C. CloudCompliance
D. CloudWatch

Answer: B

Explanation:
AWS CloudTrail is designed to log all actions taken in your AWS account. This provides a great resource for governance, compliance, and risk auditing.

NEW QUESTION 8
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 9
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 abov

Answer: C

Explanation:
Scaling is much faster and cost-effecting 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 10
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 10
What are the benefits of DynamoDB? (Select all that apply) Choose the 3 Correct answers:

A. Supports multiple known NoSQL database engines like MariaDB and Oracle NoSQL.
B. Automatic scaling of throughput capacity.
C. Single-digit millisecond latency.
D. Supports both document and key-value store data model

Answer: BCD

Explanation:
DynamoDB does not use/support other NoSQL database engines. You only have access to use DynamoDB's built-in engine.

NEW QUESTION 13
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 14
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 17
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 20
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 23
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 27
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 29
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 32
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 36
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 38
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 stances, etc.

NEW QUESTION 40
What acts as an address (like a mailing address) for a web server located on a network?
Choose the Correct Answer

A. DNS Server
B. IP Address
C. Common language domain name

D. None of the above

Answer: B

Explanation:
An IP address is a severs address on a network. It is how traffic/request get routed to it (much like a piece of mail gets routed to your home).

NEW QUESTION 43
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 44
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 45
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 47
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 51
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 54
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 57
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 59
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 64
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 65
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 69
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 71
What is the relationship between AWS global infrastructure and the concept of high availability?
Choose the Correct Answer

A. AWS is centrally located in one location and is subject to widespread outages if something happens at that one location.
B. AWS regions and Availability Zones allow for redundant architecture to be placed in isolated parts of the world.
C. Each AWS region handles a different AWS services, and you must use all regions to fully use AWS.
D. None of the above

Answer: B

Explanation:
As an AWS user, you can create your applications infrastructure and duplicate it. By placing duplicate infrastructure in multiple regions, high availability is created because if one region fails you have a backup (in a another region) to use.

NEW QUESTION 74
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 78
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 80
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 83
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 84
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 86
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 88
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 89
In S3, what is a file that you upload called?
Choose the Correct Answer

A. Static File
B. Bucket
C. Folder
D. Object

Answer: D

Explanation:
Files that are stored in S3 are referred to as objects.

NEW QUESTION 91
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 93
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 98
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 99
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 102
Which of the following are AWS Support Plans? (Select all that apply) Choose the 3 Correct answers:

A. Enterprise
B. Expert
C. Basic
D. Business

Answer: ACD

Explanation:
AWS has four support plan levels: Basic Developer Business Enterprise

NEW QUESTION 103
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 abov

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 108
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 113
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