

# Exam Questions AWS-Certified-Cloud-Practitioner

Amazon AWS Certified Cloud Practitioner

<https://www.2passeasy.com/dumps/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 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 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 4

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 5

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 6

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 above

**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 7**

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 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**

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 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 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 above

**Answer:** C

#### NEW QUESTION 14

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 16

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 17

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 20

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 24

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 27

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 words "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 31**

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 above

**Answer:** C

**Explanation:**

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

**NEW QUESTION 35**

If an object is stored in the Standard S3 storage class and you want to move it to Glacier, what must you do in order to properly migrate it?  
Choose the Correct Answer

- A. Delete the object and reupload it, selecting Glacier as the storage class.
- B. Create a lifecycle policy that will migrate it after a minimum of 30 days.
- C. Change the storage class directly on the object.
- D. None of the above

**Answer:** B

**Explanation:**

Any object uploaded to S3 must first be placed into either the Standard, Reduced Redundancy, or Infrequent Access storage class. Once in S3 the only way to move the object to Glacier is through a lifecycle policy.

**NEW QUESTION 36**

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 37**

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 40**

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. They need improved performance of their web application.
- D. They need in-memory data store service

**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 an answer here.

#### NEW QUESTION 43

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 46

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 48

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 52

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 53

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 57

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 comprised of three or more AWS Availability Zones.

**NEW QUESTION 59**

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-premises 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 they provide access to computers they own (located at AWS data centers), that you use for various purposes.

**NEW QUESTION 61**

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 64**

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 to be accessible when you attempt to access it

**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 65**

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 70**

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 service, 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 72**

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**

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 used use 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 instance (since they can be added/removed at any time, based on current demand). Spot instances should not be used in this scenario.

**NEW QUESTION 79**

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 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 83**

What best describes the concept of a virtual private cloud?

Choose the Correct Answer

- A. A private section of AWS in which you control what resources are placed inside.



- B. A collection of data centers.
- C. A shared section of AWS between you and other AWS account holders.
- D. A private section of AWS in which you control what resources are placed inside and who can access those resources.

**Answer:** D

**Explanation:**

A VPC is a private section of AWS in which you control what resources are placed inside and who can access those resources. A VPC defines your own private network that runs on AWS infrastructure.

**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 90**

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 92**

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 94**

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 95**

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 100

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 104

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 106

What term best describes the AWS pricing model?  
Choose the Correct Answer

- A. Pay-all-up-front
- B. Pay-as-you-go
- C. Pay-all-at-end
- D. None of the above

**Answer:** B

#### Explanation:

AWS operates on a pay-as-you-go model. No upfront cost or termination fees.

#### NEW QUESTION 107

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 108

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 113

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 114**

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 119**

What categories full 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 122**

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