

# Exam Questions AWS-Certified-Cloud-Practitioner

Amazon AWS Certified Cloud Practitioner

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#### NEW QUESTION 1

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 fee

**Answer:** A

#### Explanation:

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

#### NEW QUESTION 2

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 3

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 4

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 5

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 above

**Answer:** C

#### NEW QUESTION 6

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 7**

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 8**

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 above

**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 9**

What are the primary benefits of using Lambda? (Select all that apply) Choose the 2 Correct answers:

- A. Pay for only the compute time you consume.
- B. Wide variety of operating systems to select from.
- C. Actively select and manage instance type and capacity.
- D. Run code without provisioning server

**Answer:** AD

**Explanation:**

Lambda, being AWS's serverless compute platform, means there are no servers, instance types, or capacity to select. That is all managed for you. With Lambda, you only pay for the when your code is actually being executed.

**NEW QUESTION 10**

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 10**

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 servers 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 13**

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 17**

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 policies across multiple AWS accounts.
- D. None of the above

**Answer:** BC

**Explanation:**

AWS Organizations has four main benefits: 1) Centrally manage access policies 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 22**

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

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

**Answer:** A

**Explanation:**

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

**NEW QUESTION 25**

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 30**

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 34**

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 39**

What are the four primary benefits of using the cloud/AWS?

Choose the Correct Answer

- A. Elasticity, scalability, easy access, limited storage.
- B. Fault tolerance, scalability, elasticity, and high availability.
- C. Unlimited storage, limited compute capacity, fault tolerance, and high availability.
- D. Fault tolerance, scalability, sometimes available, unlimited storage

**Answer: B**

**Explanation:**

Fault tolerance, scalability, elasticity, and high availability are the four primary benefits of AWS/the cloud.

**NEW QUESTION 41**

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 46**

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

**NEW QUESTION 51**

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 56**

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 58**

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 63**

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 68**

John, member of your company's development team, needs access to company's AWS account. What AWS service is used to manage such access? Choose the Correct Answer

- A. S3
- B. Route 53
- C. IAM
- D. EC2

**Answer:** C

**Explanation:**

Identity & Access Management (IAM) is the AWS service where user accounts, credentials, and service access is managed.

**NEW QUESTION 70**

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 71**

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 74**

What is the EC2 AMI Marketplace?  
Choose the Correct Answer

- A. Where you select the storage type of an EC2 instance.
- B. A collection of pay-to-use EC2 AMIs that generally come packaged with licensed enterprise software.
- C. Where you store AMIs that you create.
- D. Where you select to compute capacity of an EC2 instance

**Answer:** B

**NEW QUESTION 75**

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 role

**Answer:** A

**Explanation:**

When an IAM user is created, that user has NO access to any AWS services. To gain access to an AWS service, an IAM user must have permission granted to them. This is done by attaching 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 80**

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 82**

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

- A. Redshift
- B. DynamoDB
- C. ElastiCache
- D. RDS

**Answer:** D

**Explanation:**

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

**NEW QUESTION 85**

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 86

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 90

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 91

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 96

What best describes the difference between the TCO Calculator and the Cost Explorer?  
Choose the Correct Answer

- A. The TCO Calculator help you analyze current AWS usage charges; the Cost Explorer helps you estimate the cost savings of using AWS.
- B. The TCO Calculator helps you estimate the cost savings of using AWS; the Cost Explorer help you analyze current AWS usage charges.
- C. The Cost Explorer helps you calculate hourly EC2 Usage cost; the TCO Calculator is a price list for each AWS service.
- D. The Cost Explorer is a price list for each AWS service; the TCO Calculator helps you calculate hourly EC2 Usage cost.

**Answer:** B

#### Explanation:

The TCO calculator is a free tool provided by AWS that allows you to estimate the cost savings of using AWS vs. using an on-premises data center. The Cost Explorer is a free tool that allows you to view charges of your cost (helps you analyze where you are spending money).

#### NEW QUESTION 101

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 103

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