



**Amazon**

## **Exam Questions AWS-Certified-Cloud-Practitioner**

Amazon AWS Certified Cloud Practitioner

#### NEW QUESTION 1

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 2

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 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

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

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

Which of the following will effect how much you are charged for storing objects in S3? Choose the 2 Correct answers:

- A. The storage class used for the objects stored.
- B. Encrypting data (objects) stored in S3.
- C. Creating and deleting S3 buckets
- D. The total size in gigabytes of all objects store

**Answer:** AD

#### NEW QUESTION 9

Big Cloud Jumbo Corp is beginning to explore migrating their entire on-premises data center to AWS. They are very concerned about how much it will cost once their entire I.T. infrastructure is running on AWS. What tool can you recommend so that they can estimate what the cost of using AWS may be?  
Choose the Correct Answer

- A. AWS Estimate Calculator
- B. AWS TCO Calculator
- C. AWS Cost Explorer
- D. AWS Migration Cost Calculator

**Answer:** B

#### Explanation:

The AWS TCO (Total Cost of Ownership) Calculator is a free tool provided by AWS. It allows you to compare your current on-premises cost vs. estimated AWS cost.

#### NEW QUESTION 10

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 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 12

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 16

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 is 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 above

**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 21

You have been tasked by your department head to upload a batch of files to an S3 bucket; however, when you select S3 on the AWS console, you see a notification stating that you do not have permission to access S3. What is the most probable cause of this error?  
Choose the Correct Answer

- A. It takes 24 hours to get access to S3.
- B. The S3 service is currently down for maintenance.
- C. You do not have an S3 access policy attached to your IAM user.
- D. Your boss has not enabled proper bucket permission

**Answer:** C

#### Explanation:

If you get an error stating that you do not have proper permissions to access/use an AWS service, then most likely your IAM user does not have the proper permission policy attached.

#### NEW QUESTION 22

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 26

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 when your code is actually being executed.

#### NEW QUESTION 27

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 a answer here.

#### NEW QUESTION 32

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 33

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 36

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 40

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 44

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 49

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 54

What AWS service help you estimate the cost of using AWS vs. an on-premises data center?  
Choose the Correct Answer

- A. Cost Explorer
- B. Consolidated Billing
- C. TCO Calculator
- D. None of the above

**Answer:** C

#### Explanation:

The TCO (total cost of ownership) calculator helps you estimate the cost of using AWS vs. an onpremises data center.

#### NEW QUESTION 56

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 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 60

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 64

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 66**

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 71**

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 74**

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 77**

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 81**

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 84**

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 86**

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 90**

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 94**

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 Miscrosoft SQLServer

**NEW QUESTION 95**

Which AWS service uses a combination of publishers and subscribers?

Choose the Correct Answer

- A. SNS
- B. RDS
- C. EC2
- D. Lambda

**Answer:** A



**Explanation:**

In SNS, there are two types of clients: publishers and subscribers. Publishers send the message, and subscribers receive the message.

**NEW QUESTION 100**

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 101**

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 104**

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 109**

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 113**

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