

Amazon

Exam Questions AWS-Certified-Cloud-Practitioner

Amazon AWS Certified Cloud Practitioner



NEW QUESTION 1

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 2

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 3

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 4

Which S3 storage class has lowest object availability rating?
Choose the Correct Answer

- A. Standard
- B. Reduced Redundancy
- C. Infrequent Access
- D. All of them have the same availability rating

Answer: C

Explanation:

Infrequent access has the lowest availability rating (99.90%). Standard and Reduced Redundancy have an availability rating of 99.99%

NEW QUESTION 5

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 6

The concept of elasticity is most closely associated with which of the following?
Choose the Correct Answer

- A. Auto Scaling
- B. Network Security
- C. Serverless Computing

D. Elastic Load Balancing

Answer: A

Explanation:

Elasticity is the concept that a system can easily (and cost-effectively) both increase in capacity based on-demand and also shrink in capacity based on-demand. Auto Scaling on AWS is specifically designed to (automatically) increase and decrease server capacity based on-demand.

NEW QUESTION 7

What does S3 stand for? Choose the Correct Answer

- A. Simple Storage Service
- B. Simplified Storage Service
- C. Simple Store Service
- D. Service for Simple Storage

Answer: A

NEW QUESTION 8

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 9

Kim is managing a web application running on the AWS cloud. The application is currently utilizing eight EC2 servers for its compute platform. Earlier today, two of those web servers crashed; however, none of her customer were effected. What has Kim done correctly in this scenario? Choose the Correct Answer

- A. Properly built an elastic system.
- B. Properly built a scalable system
- C. Properly build a fault tolerant system.
- D. None of the abov

Answer: C

Explanation:

A fault tolerant system is one that can sustain a certain amount of failure while still remaining operational.

NEW QUESTION 10

What best describes what AWS is? Choose the Correct Answer

- A. AWS is an online retailer
- B. AWS is the cloud.
- C. AWS is a cloud services provider.
- D. None of the abov

Answer: C

NEW QUESTION 10

What is one benefit AND one drawback of buying a reserved EC2 instance? (Select two) Choose the 2 Correct answers:

- A. You can terminate the instance at any time without any further pricing commitment.
- B. Reserved instances can be purchased as a significant discount over on-demand instances.
- C. You can potentially save a lot of money by placing a lower "bid" price.
- D. You are locked in to either a one- or three-year pricing commitmen

Answer: BD

Explanation:

Reserved instances require a one- or three-year purchase term, so you are committing to paying for that much compute capacity for that full time period. However, in exchange for the long-term commitment, you will receive a discount (of up to 75%) over using an on-demand instance (for that same time period).

NEW QUESTION 13

What is the availability and durability rating of S3 Standard Storage Class?

Choose the Correct Answer

- A. 99.999999999% Durability and 99.99% Availability
- B. 99.999999999% Availability and 99.90% Durability
- C. 99.999999999% Availability and 99.99% Durability
- D. 99.999999999% Durability and 99.00% Availability

Answer: A

Explanation:

S3 Standard Storage class has a rating of 99.999999999% durability (referred to as 11 nines) and 99.99% availability.

NEW QUESTION 18

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 23

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 abov

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 28

What AWS service has built-in DDoS mitigation?

Choose the Correct Answer

- A. CloudFront
- B. CloudTrail
- C. CloudWatch
- D. EC2

Answer: A

Explanation:

With CloudFront, you cache content at Edge Locations, which shield your underlining application infrastructure from DDoS attacks.

NEW QUESTION 31

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 go 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 and AWS service, then most likely your IAM user does not have the proper permission policy attached.

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 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 41

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 time your code is actually being executed.

NEW QUESTION 44

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 45

If you want in-depth details on how to create, manage, and attach IAM access policies to IAM users, in what AWS resource should you look?
Choose the Correct Answer

- A. AWS How-To-Help Section
- B. AWS Service Documentation
- C. AWS Whitepapers
- D. None of the above

Answer: B

Explanation:

AWS Service documentation is a collection of documents specific to each AWS service. They contain detailed how-to's, as well as technical walkthroughs and specifications.

NEW QUESTION 49

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 51

Derek is running a web application and is noticing that he is paying for way more server capacity than 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 56

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 57

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 59

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 61

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 62

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 67

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 71

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 76

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 78

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 82

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-premis 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 87

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 89

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 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 92

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 another region) to use.

NEW QUESTION 97

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 101

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 105

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 109

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 111

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

- A. Standard
- B. Infrequent Access
- C. Glacier
- D. Reduced Redundancy

Answer: C

Explanation:

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

NEW QUESTION 114

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 118

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 123

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 125

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 127

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 130

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 131

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 135

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 software

Answer: AD

NEW QUESTION 136

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 140

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 142

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 143

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