**AWS Cloud Practitioner**

**Cloud Concepts and Technology Quiz**

1. Which of the following best describes EBS?
2. A managed database services
3. A bitcoin-mining service
4. A virtual hard-disk in the cloud
5. A NoSQL database service

Answer:- C

1. Which of the below does S3 Transfer Acceleration use to get your data into AWS quicker?
2. Edge Locations
3. Availability Zones
4. VPCs
5. AWS Regions

Answer:- A

1. Which of the following are types of cloud computing deployments?

Choose 3

1. Mixed cloud
2. Public cloud
3. Hybrid cloud
4. Private cloud

Answer:- B, C, D

1. IAM policies are written using \_\_\_\_.
2. XML
3. SAML
4. JSON
5. SGML

Answer:- C

1. True or False: A distribution is a link between an origin server and a domain name, which CloudFront uses to identify the object you have stored in your origin server.
2. False
3. True

Answer:- True

1. True or False: As a general rule, AWS recommends that you use S3 access control lists (ACLs) for access control.
2. True
3. False

Answer:- False

1. Which of the following best describes Availability Zones?
2. Two zones containing compute resources that are designed to automatically maintain synchronized copies of each other's data.
3. Restricted areas designed specifically for the creation of Virtual Private Clouds.
4. An Availability Zone (AZ) is one or more discrete data centers with redundant power, networking, and connectivity in an AWS Region.
5. A Content Delivery Network used to deliver content to users.

Answer:- C

1. True or False: Both you and a friend can have an S3 bucket called 'mytestbucket'.
2. True
3. False

Answer:- False

1. True or False: A CloudFront Origin can be an S3 bucket, an EC2 instance, an Elastic Load Balancer, or an AWS Elemental MediaPackage endpoint.
2. True
3. False

Answer:- True

1. True or False: There are more AWS Regions than there are Availability Zones.
2. False
3. True

Answer:- False

1. Which of the following are valid access types for an IAM user?

Choose 3

1. Security Group access via the AWS command line
2. Emergency access via Identity Access Management (IAM)
3. Using the AWS Software Developers Kit
4. Programmatic access via the command line
5. AWS Management Console access

Answer:- C, D, E

1. Regions, Availability Zones and Edge Locations are important components of the AWS Global Cloud Infrastructure. Which of the following shows the correct order of Regions, Availability Zones and Edge Locations, listed from greatest number to least number of occurrences?
2. Number of Availability Zones is greater than the Number of Regions. The Number of Regions is greater than the Number of Edge Locations
3. Number of Edge Locations is greater than the Number of Availability Zones. The number of Availability Zones are greater than the Number of Regions
4. Number of Availability Zones is greater than the Number of Edge Locations. The Number of Edge locations is greater than the Number of Regions
5. Number of Regions is greater than the Number of Availability Zones. The Number of Availability Zones is greater than Number of Edge Locations

Answer:- B

1. Which of the following are characteristics of cloud computing?

Choose 3

1. Services are delivered over the Internet.
2. Pay-as-you-go pricing
3. On-demand delivery
4. Cloud charges are capital expenditures.

Answer:- A, B, C

1. True or False: Identity Access Management (IAM) is a Regional service.
2. True
3. False

Answer:- False

1. True or False: S3 is object storage suitable for the storage of 'flat' files like Word documents, photos, etc.
2. False
3. True

Answer:- True

1. Which of the following AWS Support levels offers the assistance of a Technical Account Manager?
2. Elite
3. Business
4. Developer
5. Enterprise

Answer:- D

1. Which of the following EC2 options is best for long-term workloads with predictable usage patterns?
2. Reserved instances
3. Spot instances
4. On-Demand instances
5. Dedicated Host

Answer:- A

1. True or False: Objects stored in S3 are stored in a single, central location within AWS.
2. True
3. False

Answer:- False

1. Which of the following are advantages of cloud computing?

Choose 4

1. The ability to 'go global' in minutes
2. Increased speed and agility
3. The capital expenditure (CapEx) funding model
4. Variable expense
5. Elasticity - you need not worry about capacity.

Answer:- A, B, D, E

1. True or False: S3 can be used to host a dynamic website, like one that runs on a LAMP stack.
2. False
3. True

Answer:- False

1. True or False: Access Control Lists can be used to make entire buckets (like one hosting an S3 website) public.
2. False
3. True

Answer:- True

1. Which of the following Route 53 policies allow you to a) route data to a second resource if the first is unhealthy, and b) route data to resources that have better performance?
2. Geoproximity Routing and Geolocation Routing
3. Failover Routing and Latency-based Routing
4. Geolocation Routing and Latency-based Routing
5. Failover Routing and Simple Routing

Answer:- B

1. There are at least \_\_\_ Availability Zones per AWS Region.
2. 2
3. 4
4. 5
5. 3

Answer:- A

1. Which of the following is the JSON document used to grant permissions to users, groups, and roles?
2. Passbook
3. Policy
4. Protocol
5. Paradigm

Answer:- B

1. Which of the following are steps you should take in securing your AWS account?

Choose 3

1. Create individual IAM users.
2. Use Groups to assign permissions to IAM users.
3. Activate Multifactor Authentication (MFA) on your root account.
4. Use your AWS account root user access keys

Answer:- A, B, C

1. Which of the following best describes an AWS Region?
2. A collection of databases that can only be accessed from a specific geographic region.
3. A console that gives you a quick, global picture of your cloud computing environment.
4. A physical location with multiple, isolated, and physically separate AZ's within a geographic area.
5. A collection of data centers that is spread evenly around a specific continent.

Answer:- C

1. Amazon Lightsail is an example of which of the following?
2. Platform as a Service
3. Functions as a Service
4. Infrastructure as a Service
5. Software as a Service

Answer:- A

1. Which of the following AWS Support levels offers 24x7 technical support via phone or chat?
2. Business
3. Basic
4. Developer
5. Individual

Answer:- A

1. Which of the following are Support Levels offered by AWS?

Choose 3

1. Individual
2. Business
3. Basic
4. Developer
5. Start-up

Answer:- B, C, D

1. Which of the following data archival services is extremely inexpensive and has configurable retrieval times, from minutes to hours?
2. S3 One Zone-IA
3. Amazon S3 Reduced Redundancy Storage (RRS)
4. S3 Standard
5. S3 Glacier
6. S3 Standard-IA

Answer:- D

1. In which of the following is CloudFront content cached?
2. Availability Zone
3. Edge Location
4. Region
5. Data Center

Answer:- B

Billing & Pricing Quiz

1. Which of the following components are billed for Amazon RDS instances?

Choose 3

1. Data transfer incurred in replicating data between your primary and standby, in a Multi-AZ DB instance deployment
2. Storage
3. I/O requests for Amazon RDS magnetic storage
4. Standby time
5. DB instance hours

Answer:- B, C, E

1. Which of the following is not a fundamental AWS charge?
2. Storage
3. Data-out
4. Compute
5. Data-in

Answer:- D

1. Which of the following support plans features a < 4-hour response time in the event of an impaired production system?
2. Developer
3. Business
4. Individual
5. Basic

Answer:- B

1. Which of the following EC2 instance types will realize a savings over time in exchange for a contracted term-of-service?
2. Reserved instances
3. On-demand instances
4. Discount instances
5. Spot instances
6. Check answer

Answer:- A

1. Which of the following are valid EC2 pricing options?

Choose 2

1. On-Demand
2. Reserved
3. Stop
4. Enterprise

Answer:- A, B

1. True or False: With Consolidated Billing, the Paying Account can make changes to any of the resources owned by a Linked Account.
2. False
3. True

Answer:- False

1. Choose the features of Consolidated Billing.

Choose 3

1. Account charges can be tracked individually.
2. A single bill is issued containing the charges for all AWS Accounts
3. Charging is based per VPC
4. Multiple standalone accounts are combined and may reduce your overall bill

Answer:- A, B, D

1. Which of the following AWS services are free to use?

Choose 5

1. Elastic Beanstalk
2. EC2
3. IAM
4. Route53
5. S3
6. EBS
7. CloudFormation
8. RDS
9. Auto-Scaling
10. VPC

Answer:- A, C, G, I, J

1. Which two of the following options best describe a Resource Group?

Choose 2

1. A resource group is a collection of resources of the same type (EC2, S3, etc.) that are deployed in the same Availability Zone.
2. A resource group is a collection of resources that share one or more tags.
3. A resource group is a collection of resources that are deployed in the same AWS Region, and that match the criteria specified in the group's query.
4. A resource group is a collection of resources of the same type (EC2, S3, etc.) that share one or more tags or portions of tags.

Answer:- B, C

1. Which of the following AWS Support Plans provide Enhanced Technical Support ONLY during business hours via email?
2. Enterprise
3. Basic
4. Developer
5. Business

Answer:- C

Security In The Cloud Quiz

1. True or False: The Standard version of AWS Shield offers automated application (layer 7) traffic monitoring.
2. True
3. False

Answer:- False

1. Which of the following services will help you optimize your entire AWS environment in real time following AWS best practices?
2. AWS Shield
3. AWS Trusted Advisor
4. AWS WAF
5. AWS Inspector

Answer:- B

1. The AWS Web Application Firewall can operate up to what layer of the OSI model?
2. 6
3. 5
4. 7
5. 4

Answer:- C

1. Which of the following AWS services can help you assess the fault-tolerance of your AWS environment?
2. AWS Trusted Advisor
3. AWS WAF
4. AWS Inspector
5. AWS Shield

Answer:- A

1. True or False: It's safer to use Access Keys than it is to use IAM roles.
2. False
3. True

Answer:- A

1. You need to use an AWS service to assess the security and compliance of your EC2 instances. Which of the following services should you use?
2. AWS Trusted Advisor
3. AWS Inspector
4. AWS Shield
5. AWS WAF

Answer:- B

1. Which of the following Compliance certifications attests to the security of the AWS platform regarding credit card transactions?
2. PCI DSS Level 1
3. SOC 1
4. ISO 27001
5. SOC 2

Answer:- A

1. Which of the following Compliance guarantees attests to the fact that the AWS Platform has met the standard required for the secure storage of medical records in the US?
2. FERPA
3. HIPAA
4. HITECH
5. PCI DSS
6. GLBA

Answer:- B

1. True or False: Security in the cloud is the responsibility of AWS.
2. True
3. False

Answer:- False

1. Which of the following is AWS' managed DDoS protection service?
2. AWS Shield
3. AWS WAF
4. Security Groups
5. Access Control Lists

Answer:- A

**Mega Quiz**

1. Which AWS service allows you to run code without having to worry about provisioning any underlying resources (such as virtual machines, databases etc.)
2. EC2
3. EC2 Container Service
4. Lambda
5. DynamoDB

Answer:- C

1. True or false: With AWS Organizations, there are two available feature sets. You may choose to use the consolidated billing features only, or use all of the available features.
2. False
3. True

Answer:- True

1. Which of the following AWS services should you use if you'd like to be notified when you have crossed a billing threshold?

Choose 2

1. AWS Budgets
2. Trusted Advisor
3. AWS Cost and Usage Reports
4. CloudWatch

Answer:- A, D

1. Under the Shared Responsibility model, for which of the following does AWS not assume responsibility?
2. Physical security of AWS facilities
3. Networking
4. Hypervisors
5. Security group configurations

Answer:- D

1. You need to host a file in a location that's publicly accessible from anywhere in the world. Which AWS service would best meet that need?
2. S3
3. EBS
4. RDS
5. EC2

Answer:- A

1. Which online tool can inspect your AWS environment and make recommendations for saving money, improving system performance, or closing security gaps?
2. Service Catalog
3. Trusted Advisor
4. CloudTrail
5. Config Rules

Answer:- B

1. You have a project that will require 90 hours of computing time. There is no deadline, and the work can be stopped and restarted without adverse effect. Which of the following computing options offers the most cost-effective solution?
2. On-demand instances
3. Reserved instances
4. ECS instances
5. Spot instances

Answer:- D

1. Your Development team uses 4 on-demand EC2 instances, while your QA team has 5 reserved instances, with 3 currently in use. All Dev and QA instances are the same type, and are launched in the same AZ. Assuming all AWS accounts are under a single AWS Organization, how will the Development team's instances be billed?
2. All the Dev team's instances will be billed at the on-demand rate.
3. The Dev team will be billed for two instances at on-demand prices and two instances at the reserved instance price.
4. The pricing for the reserved instances will shift from QA to Dev.
5. All the Dev instances will be billed at the reserved instance rate.

Answer:- B

1. What is an AWS region?
2. A region is a geographical area divided into Availability Zones. Each region contains at least two Availability Zones.
3. A region is a collection of Edge Locations available in specific countries.
4. A region is a subset of AWS technologies. For example, the Compute region consists of EC2, ECS, Lambda, etc.
5. A region is an independent data center, located in different countries around the globe.

Answer:- A

1. Which of the following is AWS' Data Warehousing service?
2. Redshift
3. Elastic Map Reduce
4. S3 Big Data
5. Snowball

Answer:- A

1. Which of the following support services do all accounts receive as standard?
2. Enhanced Technical Support
3. Billing support
4. 24/7 support via phone and chat
5. Technical Account Manager

Answer:- B

1. Which of the following is not a feature of AWS Organizations?
2. Hierarchical based control over groups of IAM users and roles, within multiple Accounts
3. AWS accounts which are members of an Organization can have the benefit of Consolidated Billing
4. Granular configuration of Security Groups within a VPC
5. Grouping all of your AWS accounts into organizational Units (OUs) as part of a hierarchy

Answer:- C

1. Which of the following AWS services should you use to migrate an existing database to AWS?
2. DMS
3. SNS
4. Storage Gateway
5. Route 53

Answer:- A

1. Regions, Availability Zones and Edge Locations are important components of the AWS Global Cloud Infrastructure. Which of the following shows the correct order of Regions, Availability Zones and Edge Locations, listed from greatest number to least number of occurrences?
2. Availability Zones, Edge Locations, Regions
3. Edge Locations, Availability Zones, Regions
4. Availability Zones, Regions, Edge Locations
5. Regions, Availability Zones, Edge Locations

Answer:- B

1. Which AWS service is specifically designed to assist you in processing large data sets?
2. EMR
3. AWS Big Data Processing
4. EC2
5. ElastiCache

Answer:- A

1. Which of the following is AWS' managed database service that is up to 5X faster than a traditional MySQL database.
2. DynamoDB
3. MariaDB
4. PostgreSQL
5. Aurora

Answer:- D

1. Which of the following are AWS compute services?

Choose 2

1. Amazon Elastic Block Store (EBS)
2. Amazon Simple Notification Service (SNS)
3. Amazon Elastic Compute Cloud (EC2)
4. AWS Lambda

Answer:- C, D

1. Which of the following AWS services can assist you with cost optimization?
2. AWS WAF
3. AWS Inspector
4. AWS Shield
5. AWS Trusted Advisor

Answer:- D

1. Which of the following are good cloud design principles?

Choose 4

1. Scalability
2. Limit the number of 3rd-party services.
3. Assume everything will fail.
4. Tightly-coupled components
5. Disposable resources
6. Treat your servers like pets, not cattle.
7. Infrastructure as code

Answer:- A, C, E, G

1. Which AWS service acts as a file system mount on S3?
2. Amazon Elastic File System
3. Amazon S3
4. Amazon Elastic Block Store
5. File Gateway

Answer:- D

1. You have a mission-critical application which must be globally available at all times. Which deployment strategy should you follow?
2. Multi-Availability Zone
3. Multi-Region
4. Multi-VPC in two AWS Regions
5. Deploy to all Availability Zones in your home region.

Answer:- B

1. Which of the following support plans features unlimited (customer-side) contacts and unlimited support cases?

Choose 2

1. Developer
2. Basic
3. Enterprise
4. Business

Answer:- C, D