**AWS Important MCQs**

**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?

A. The Least Privilege User Principal

**B. The Principal of Least Privilege**

C. The Only Access Principal.

D. None of the above

**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

**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

**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**

**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 to be notified when the monthly bill approaches $100?

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

**QUESTION 6**

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

**A. Auto Scaling**

B. Network Security

C. Serverless Computing

D. Elastic Load Balancing

**QUESTION 7**

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**

**QUESTION 8**

What AWS storage class should be used for long-term, archival storage?

**A. Glacier**

B. Long-Term

C. Standard

D. Infrequent Access

**QUESTION 9**

Before moving and/or storing object in AWS Glacier, what considerations should you make regarding the data you want to store.

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 above

**QUESTION 10**

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?

**A. RDS**

B. Redshift

C. NoSQL

D. DynamoDB

**QUESTION 11**

What is AWS's serverless compute service?

A. S3

**B. Lambda**

C. EC2

D. None of the above

**QUESTION 12**

What is the most common type of storage used for EC2 instances?

A. Elastic File System (EFS)

B. EC2 Hard Drives

**C. Elastic Block Store (EBS)**

D. Magnetic Drive (MD)

**QUESTION 13**

What AWS service has built-in DDoS mitigation?

**A. CloudFront**

B. CloudTrail

C. CloudWatch

D. EC2

**QUESTION 14**

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?

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

**QUESTION 15**

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

**QUESTION 16**

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?

A. Policy and Access Management

B. Elastic Cloud Compute

**C. Access Management**

D. None of the above

**QUESTION 17**

You notice that five of your 10 S3 buckets are no longer available in your account, and you assume that they have been deleted. You are unsure who may have deleted them, and no one is taking responsibility. What should you do to investigate and find out who deleted the S3 buckets?

A. Look at the S3 logs.

**B. Look at the CloudTrail logs.**

C. Look at the CloudWatch Logs.

D. Look at the SNS log

**QUESTION 18**

What acts as an address (like a mailing address) for a web server located on a network?

A. DNS Server

**B. IP Address**

C. Common language domain name

D. None of the above

**QUESTION 19**

What services has built-in DDoS mitigation and/or protection?  er

A. EC2

B. RDS

C. SNS

**D. None of the above**

**QUESTION 20**

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?

**A. Auto Scaling**

B. Elastic Server Scaling

C. Elastic Load Balancing

D. Auto Sizing

**QUESTION 21**

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**

**QUESTION 22**

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

**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 fees.

**QUESTION 23**

What AWS feature acts as a traffic distribution regulator, making sure each EC2 instance in a system get the same amount of traffic?

A. Availability Zone

**B. ELB**

C. NACL

D. Auto Scaling

**QUESTION 24**

What best describes the concept of fault tolerance?

**A. The ability for a system to withstand a certain amount of failure and remain functional.**

B. The ability for a system to grow and shrink based on demand.

C. The ability for a system to grow, capacity, and/or scope.

D. The ability for a system be accessible when you attempt to access i

**QUESTION 25**

What is the purpose of a DNS server?

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.

**QUESTION 26**

What best describes the concept of scalability?

A. The ability for a system to withstand a certain amount of failure and remain functional.

B. The ability for a system to grow, 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

**QUESTION 27**

What is the relationship between AWS global infrastructure and the concept of high availability?

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

**QUESTION 28**

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 finds that all traffic to the application is being routed to only one of the servers. What AWS feature should he add to his application to have traffic evenly distributed between all three servers?

**A. Elastic Load Balancer**

B. Auto Scaling

C. Route 53

D. CloudFront

**QUESTION 29**

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?

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.

**QUESTION 30**

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?

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

**QUESTION 31**

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

**QUESTION 32**

What is a main benefit of CloudFront?

A. DNS management

B. Unlimited storage

C. Serverless compute capacity

**D. Built-in DDoS protection**

**QUESTION 33**

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 centres.

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.**

**QUESTION 34**

An Edge Location is a specialized AWS data centre that works in conjunction with what AWS service?

A. Route 53

B. CloudWatch

C. Lambda

**D. CloudFront**

**QUESTION 35**

What is the EC2 AMI Marketplace?

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

**QUESTION 36**

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 cost effective S3 storage option that will meet the hospital’s needs?

A. Standard

B. Infrequent Access

**C. Glacier**

D. Reduced Redundancy

**QUESTION 37**

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?

**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

**QUESTION 38**

What are two open source in-memory engines supported by ElastiCache? Choose the 2 Correct answers:

**A. Redis**

B. Aurora

C. CacheIt

**D. MemcacheD**

**QUESTION 39**

What is the name of AWS's RDS SQL database engine?

A. LightSail

B. SNS

C. MySQL

**D. Aurora**

**QUESTION 40**

If you want to monitor the average CPU usage of your EC2 instances, which AWS service should you use?

A. CloudMonitor

B. CloudTrail

**C. CloudWatch**

D. None of the above

**QUESTION 41**

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?

A. STS

B. RDS

C. GetSMS

**D. SNS**

**QUESTION 42**

Which AWS service uses a combination of publishers and subscribers?

**A. SNS**

B. RDS

C. EC2

D. Lambda

**QUESTION 43**

What term best describes the AWS pricing model?

A. Pay-all-up-front

**B. Pay-as-you-go**

C. Pay-all-at-end

D. None of the above

**QUESTION  44**

If you want to learn about AWS architectural or security best practices, where will you find that type of information?

A. AWS Yellow Pages

B. AWS Console Info Section

**C. AWS White Papers**

D. AWS Service Documentation

**QUESTION 45**

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 datacentres**

B. Server-side encryption

C. Network level security

**D. The maintenance of the hosts virtualization software**

**QUESTION 46**

Consolidated billing is managed through what AWS service?

A. AWS TCO

B. AWS Billing Manager

C. AWS Consolidated Management

**D. AWS Organizations**

**QUESTION 47**

What MUST you do before you do any penetration testing on your account?

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

**QUESTION 48**

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**

**QUESTION 49**

What is a main benefit of consolidated billing?

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 these

**QUESTION 50**

Under what circumstances would you choose to use the AWS service CloudTrail?

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

**QUESTION 51**

What is the major difference between AWS's RDS and DynamoDB database services?

A. RDS offers NoSQL database options, and DynamoDB offers SQL database options.

B. RDS offers on SQL database option, and DynamoDB offers many NoSQL database options.

**C. RDS offers SQL database options, and DynamoDB offers a NoSQL database option.**

D. None of the above

**QUESTION 52**

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?

A. CloudAudit

**B. CloudTrail**

C. CloudCompliance

D. CloudWatch

**QUESTION 53**

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**

**QUESTION 54**

What best describes penetration testing?

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

**QUESTION 55**

You are trying to organize and import (to AWS) gigabytes of data that are currently structured in JSON-like, name-value documents. What AWS service would best fit your needs?

A. Lambda

B. Aurora

C. RDS

**D. DynamoDB**

**QUESTION 56**

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 instance.**

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 commitment**

**QUESTION 57**

If you want to easily share a file with a friend, family or coworker, what AWS solution should you use?

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

**QUESTION 58**

What are the primary benefits of using Lambda? 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**

**QUESTION 59**

What AWS service allows you to have your own private network in the AWS cloud?

A. Virtual Private Network (VPN)

**B. Virtual Private Cloud (VPC)**

C. Virtual Cloud Network (VCN)

D. None of the above

**QUESTION 60**

Matt is working on a project that involves converting an images format from .png to .jpg. Thousands of images must 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?

**A. Spot**

B. On-demand

C. Reserved

D. None of the above

**QUESTION 61**

Tracy has created a web application, placing its 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?

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.

**QUESTION 62**

What AWS service help you estimate the cost of using AWS vs. an on-premises data centre?

A. Cost Explorer

B. Consolidated Billing

**C. TCO Calculator**

D. None of the above

**QUESTION 63**

What best describes an AWS region?

A. A specific location where an AWS data centre 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

**QUESTION 64**

What best describes the concept of elasticity?

A. The ability for a system to grow, capacity, and/or scope.

B. The ability for a system to withstand a certain amount of failure and remain functional.

**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

**QUESTION 65**

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

A. S3

B. Route 53

**C. IAM**

D. EC2

**QUESTION 66**

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

A. The TCO Calculator help you analyse 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 analyse 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.

**QUESTION 67**

A small business with 25–30 employees has decided to move its data and working functionalities onto the cloud. They are looking for extremely accessible data, easy data backup, cost-efficient. They also need accounting software, customer service tools. Which deployment model is best suited for the considered business?

1. **Public Cloud**
2. Private Cloud
3. Hybrid Cloud
4. Multi Cloud

**QUESTION 68**

A national bank requires cloud deployment services with high security, privacy, and reliability, allowing only authorized persons to access resources. Which deployment model is best suited for these requirements?

1. Public Cloud
2. **Private Cloud**
3. Hybrid Cloud
4. Multi Cloud

**QUESTION 69**

A retail company has websites that always require high performance. They have on-premises servers to handle the working, but sometimes during seasons of sales, they experience periods of spikes in traffic. Which deployment model will handle their traffic spikes and provide the on-premises model?

1. Public Cloud
2. Private Cloud
3. **Hybrid Cloud**
4. Multi Cloud

**QUESTION 70**

A global company has decided to offer video streaming solutions for business to share their ideas and presentations and pitch them to clients. They wish to adopt cloud scaling to enable larger bandwidth and speed. Which deployment model is best suited for the considered global company?

1. **Public Cloud**
2. Private Cloud
3. Hybrid Cloud
4. Multi Cloud

**QUESTION 71**

An organization wants to build infrastructure designed for users to access books by members through electronic devices. The borrowed books can be verified using the cloud by sharing resources between devices. Which deployment model will help them build such a system?

1. Public Cloud
2. **Private Cloud**
3. Hybrid Cloud
4. Multi Cloud

**QUESTION 72**

Which Amazon S3 storage classes are optimized for archival data (Select 2)

1. Amazon S3 standard
2. **Amazon S3 Glacier Flexible Retrieval**
3. Amazon S3 Intelligent-Tiering
4. Amazon S3 standard – IA
5. **Amazon S3 Glacier Deep Archive**

**QUESTION 73**

Which statement or statements are True about amazon EBS volumes and Amazon EFS file systems?

1. **EBS volumes store data within a single availability zone. Amazon EFS file systems store data across multiple availability zones.**
2. EBS volumes store data across multiple availability zones. Amazon EFS file systems store data within a single availability zone.
3. EBS volumes and Amazon EFS file systems both store data within a single availability zone.
4. EBS volumes and Amazon EFS file systems both store data across multiple availability zone.

**QUESTION 74**

You want to store data in an object storage service. Which AWS service is best for this type of storage?

1. Amazon managed blockchain
2. Amazon Elastic File System (Amazon EFS)
3. Amazon Elastic Block Store (Amazon EBS)
4. **Amazon Simple Storage Service (Amazon S3)**

**QUESTION 75**

Which statement best describes Amazon Dynamo Db?

1. A service that enables you to run relational database in the AWS cloud
2. **A serverless key-value database service.**
3. A service that you can use migrate relational databases, nonrelational databases, and other types of data stores.
4. An enterprise-class relational database.

**QUESTION 76**

Which service is used to query and analyse data across a data warehouse?

1. **Amazon Redshift**
2. Amazon Neptune
3. Amazon documentDB
4. Amazon ElasticCache

**QUESTION 77**

Which statement best describes an IAM policy?

1. An authentication process that provides an extra layer of protection for your AWS account.
2. **A document that grants or denies permissions to AWS services and resources.**
3. An identity that you can assume to gain temporary access to permissions.
4. The identity that is established when you first create an AWS account.

**QUESTION 78**

An employee requires temporary access to create several Amazon S3 buckets. Which option would be the best choice for this task?

1. AWS account root user
2. IAM group
3. **IAM role**
4. Service control policy (SCP)

**QUESTION 79**

Which statement best describes the principle of least privilege?

1. Adding an IAM user into at least one IAM group
2. Checking a packets permission against an access control list
3. **Granting only the permissions that are needed to perform specific tasks**
4. Performing a denial-of-service attack that originates from at least one device.

**QUESTION 80**

Which service helps protect your applications against distributed denial-of-service (DDos) attacks?

1. Amazon GaurdDuty
2. Amazon Inspector
3. AWS Artifact
4. **AWS Shield**

**QUESTION 81**

Which task can AWS Key Management Service (AWS KMS) perform?

1. Configure multi-factor authentication (MFA)
2. Update the AWS account root user password
3. **Create cryptographic keys**
4. Assign permissions to users and groups.