

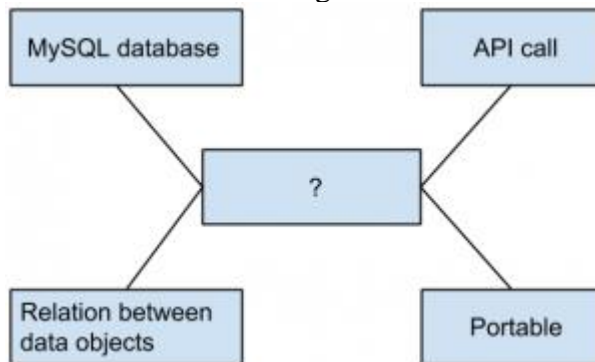
**Note : STUDY ALL 40 important MCQs + 1 Sentence answers of IV<sup>th</sup> UNIT**

---

## Cloud Computing Questions and Answers – Amazon Web Services

This set of Interview Questions & Answers focuses on “AWS – Amazon Web Services”.

1. Which of the following should be used considering factors shown in the figure?



- a) SimpleDB
- b) RDS
- c) Amazon EC2
- d) All of the mentioned

[View Answer](#)

**Answer: b**

**Explanation:** Use RDS when you have an existing MySQL database that could be ported and you want to minimize the amount of infrastructure and administrative management required.

2. Point out the wrong statement.

- a) Amazon Machine Instances are sized at various levels and rented on a computing/hour basis
- b) The metrics obtained by CloudWatch may be used to enable a feature called Auto Scaling
- c) A number of tools are used to support EC2 services
- d) None of the mentioned

[View Answer](#)

**Answer: d**

**Explanation:** Through hardware virtualization on Xen hypervisors, Amazon.com has made it possible to create private virtual servers that you can run worldwide.

3. Which of the following is an edge-storage or content-delivery system that caches data in different physical locations?

- a) Amazon Relational Database Service
- b) Amazon SimpleDB
- c) Amazon Cloudfront
- d) Amazon Associates Web Services

[View Answer](#)

**Answer: c**

**Explanation: Cloudfront is similar to systems such as Akamai.com, but is proprietary to Amazon.com and is set up to work with Amazon Simple Storage System (Amazon S3).**

4. Which of the following allows you to create instances of the MySQL database to support your Web sites?

- a) Amazon Elastic Compute Cloud
- b) Amazon Simple Queue Service
- c) Amazon Relational Database Service
- d) Amazon Simple Storage System

[View Answer](#)

**Answer: c**

**Explanation: RDS provides features such as automated software patching, database backups, and automated database scaling via an API call.**

5. Point out the correct statement.

- a) Amazon Elastic Cloud is a system for creating virtual disks(volume)
- b) SimpleDB interoperates with both Amazon EC2 and Amazon S3
- c) EC3 is an Analytics as a Service provider
- d) None of the mentioned

[View Answer](#)

**Answer: b**

**Explanation: Amazon SimpleDB stores data in “buckets” and without requiring the creation of a database schema.**

6. Which of the following is a structured data store that supports indexing and data queries to both EC2 and S3?

- a) CloudWatch
- b) Amazon SimpleDB
- c) Amazon Cloudfront
- d) All of the mentioned

[View Answer](#)

**Answer: b**

**Explanation: SimpleDB isn't a full database implementation.**

7. Which of the following is the machinery for interacting with Amazon's vast product data and eCommerce catalog function?

- a) Amazon Elastic Compute Cloud
- b) Amazon Associates Web Services
- c) Alexa Web Information Service
- d) All of the mentioned

[View Answer](#)

**Answer: b**

**Explanation: This service, which was called Amazon E-Commerce Service (ECS), is the means for vendors to add their products to the Amazon.com site and take orders and payments.**

8. Which of the following is a billing and account management service?

- a) Amazon Elastic MapReduce
- b) Amazon Mechanical Turk
- c) Amazon DevPay
- d) Multi-Factor Authentication

[View Answer](#)

**Answer: c**

**Explanation: DevPay provides a developer API that eliminates the need for application developers to build order pipelines.**

9. Which of the following is a means for accessing human researchers or consultants to help solve problems on a contractual or temporary basis?

- a) Amazon Elastic MapReduce
- b) Amazon Mechanical Turk
- c) Amazon DevPay
- d) Multi-Factor Authentication

[View Answer](#)

**Answer: b**

**Explanation: Problems solved by this human workforce have included object identification, video or audio recording, data duplication, and data research.**

10. Which of the following is built on top of a Hadoop framework using the Elastic Compute Cloud?

- a) Amazon Elastic MapReduce
- b) Amazon Mechanical Turk
- c) Amazon DevPay
- d) Multi-Factor Authentication

[View Answer](#)

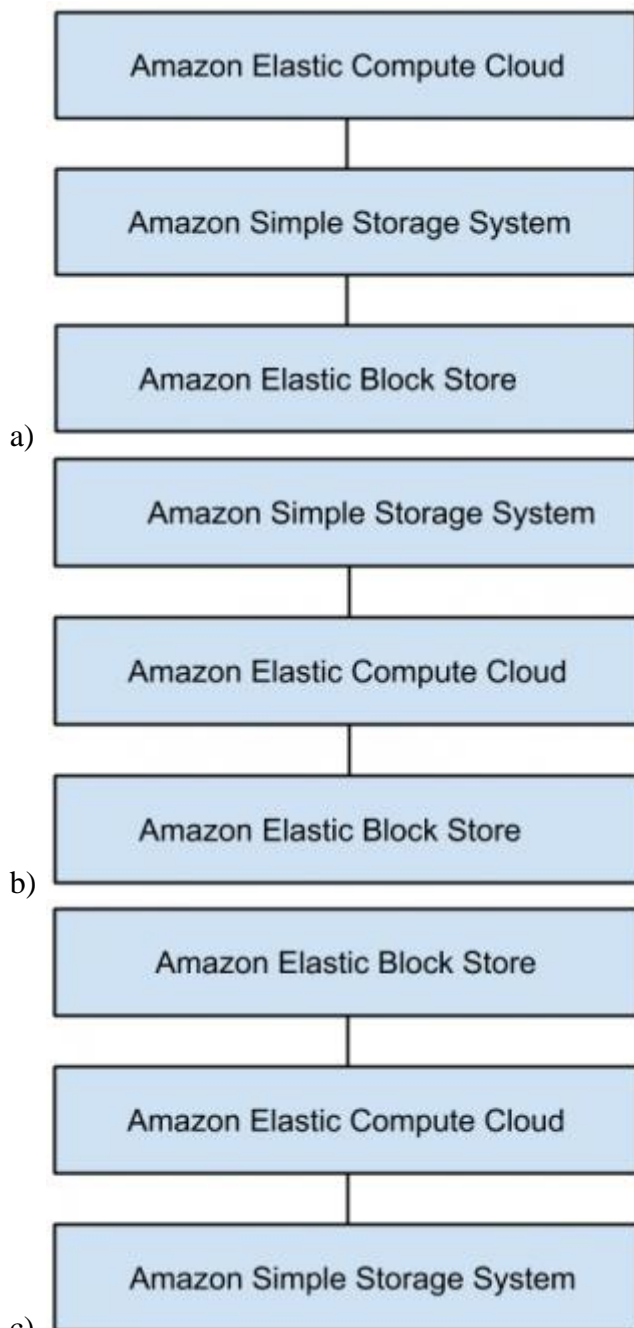
**Answer: a**

**Explanation: Amazon Elastic MapReduce is an interactive data analysis tool for performing indexing.**

## **Cloud Computing Questions and Answers – Amazon Web Service Components and Services**

This set of Cloud Computing Multiple Choice Questions & Answers (MCQs) focuses on “Amazon Web Service Components and Services”.

11. Which of the following correctly describes components roughly in their order of importance from top to down?



d) None of the mentioned  
View Answer

**Answer: a**

**Explanation:** Amazon Elastic Compute Cloud is the central application in the AWS portfolio.

12. Point out the wrong statement.

- a) Virtual private servers can provision virtual private clouds connected through virtual private networks
  - b) Amazon Web Services is based on SOA standards
  - c) Starting in 2012, Amazon.com made its Web service platform available to developers on a usage-basis model
  - d) All of the mentioned
- View Answer

**Answer: c**

**Explanation:** Through hardware virtualization on Xen hypervisors, Amazon.com has made it possible to create private virtual servers that you can run worldwide.

13. Which of the following is the central application in the AWS portfolio?

- a) Amazon Elastic Compute Cloud
- b) Amazon Simple Queue Service
- c) Amazon Simple Notification Service
- d) Amazon Simple Storage System

[View Answer](#)

**Answer: a**

**Explanation:** Amazon Elastic Compute Cloud enables the creation, use, and management of virtual private servers running the Linux or Windows operating system over a Xen hypervisor.

14. Which of the following is a message queue or transaction system for distributed Internet-based applications?

- a) Amazon Elastic Compute Cloud
- b) Amazon Simple Queue Service
- c) Amazon Simple Notification Service
- d) Amazon Simple Storage System

[View Answer](#)

**Answer: b**

**Explanation:** In a loosely coupled SOA system, a transaction manager is required to ensure that messages are not lost when a component isn't available.

15. Point out the correct statement.

- a) SQL Server is having enormous impact on cloud computing
- b) Amazon.com's services represent the largest pure Infrastructure as a Service (IAAS)
- c) EC2 is a Platform as a Service (PaaS) market
- d) None of the mentioned

[View Answer](#)

**Answer: b**

**Explanation:** EC2 is estimated to run on over 40,000+ servers worldwide divided into six availability zones.

16. Which of the following is a system for creating block level storage devices that can be used for Amazon Machine Instances in EC2?

- a) CloudWatch
- b) Amazon Elastic Block Store
- c) AWS Import/Export
- d) All of the mentioned

[View Answer](#)

**Answer: b**

**Explanation:** The Load Balancing feature can detect when an instance is failing and reroute traffic to a healthy instance, even an instance in other AWS zones.

17. Which of the following feature is used for scaling of EC2 sites?

- a) Auto Replica
- b) Auto Scaling
- c) Auto Ruling
- d) All of the mentioned

[View Answer](#)

**Answer: b**

**Explanation: Autoscaling is part of Amazon Cloudwatch and available at no additional charge.**

18. Which of the following is a Web service that can publish messages from an application and deliver them to other applications or to subscribers?

- a) Amazon Elastic Compute Cloud
- b) Amazon Simple Queue Service
- c) Amazon Simple Notification Service
- d) Amazon Simple Storage System

[View Answer](#)

**Answer: c**

**Explanation: SNS provides a method for triggering actions, allowing clients or applications to subscribe to information (like RSS), or polling for new or changed information or perform updates.**

19. Which of the following metrics are used to support Elastic Load Balancing?

- a) CloudWatch
- b) Amazon Elastic Block Store
- c) AWS Import/Export
- d) All of the mentioned

[View Answer](#)

**Answer: a**

**Explanation: Amazon Machine Instances (AMIs) in EC2 can be load balanced using the Elastic Load Balancing.**

20. Which of the following is an online backup and storage system?

- a) Amazon Elastic Compute Cloud
- b) Amazon Simple Queue Service
- c) Amazon Simple Notification Service
- d) Amazon Simple Storage System

[View Answer](#)

**Answer: d**

**Explanation: A high speed data transfer feature called AWS Import/Export can transfer data to and from AWS using Amazon's own internal network to portable storage devices.**

## **Cloud Computing Questions and Answers – Amazon Storage Systems**

This set of Interview Questions & Answers focuses on “Amazon S3 – Simple Storage Services”.

21. Which of the following is a method for bidding on unused EC2 capacity based on the current spot price?

- a) On-Demand Instance
- b) Reserved Instances
- c) Spot Instance
- d) All of the mentioned

[View Answer](#)

**Answer: c**

**Explanation: This feature offers a significantly lower price, but it varies over time or may not be available when there is no excess capacity.**

22. Point out the wrong statement.

- a) The standard instances are not suitable for standard server applications
- b) High memory instances are useful for large data throughput applications such as SQL Server databases and data caching and retrieval
- c) FPS is exposed as an API that sorts transactions into packages called Quick Starts that makes it easy to implement
- d) None of the mentioned

View Answer

**Answer: a**

**Explanation: The standard instances are deemed to be suitable for standard server applications.**

23. Which of the following instance has an hourly rate with no long-term commitment?

- a) On-Demand Instance
- b) Reserved Instances
- c) Spot Instance
- d) All of the mentioned

View Answer

**Answer: a**

**Explanation: Pricing varies by zone, instance, and pricing model.**

24. Which of the following is a batch processing application?

- a) IBM sMash
- b) IBM WebSphere Application Server
- c) Condor
- d) Windows Media Server

View Answer

**Answer: c**

**Explanation: Condor is a powerful, distributed batch-processing system that lets you use otherwise idle CPU cycles in a cluster of workstations.**

25. Point out the correct statement.

- a) Security can be set through passwords, Kerberos tickets, or certificates
- b) Secure access to your EC2 AMIs is controlled by passwords, Kerberos, and 509 Certificates
- c) Most of the system image templates that Amazon AWS offers are based on Red Hat Linux
- d) All of the mentioned

View Answer

**Answer: d**

**Explanation: Hundreds of free and paid AMIs can be found on AWS.**

26. How many EC2 service zones or regions exist?

- a) 1
- b) 2
- c) 3
- d) 4

View Answer

**Answer: d**

**Explanation: There are four different EC2 service zones or regions.**

27. Amazon \_\_\_\_\_ cloud-based storage system allows you to store data objects ranging in size from 1 byte up to 5GB.

- a) S1
- b) S2
- c) S3
- d) S4

[View Answer](#)

**Answer: c**

**Explanation: In S3, storage containers are referred to as buckets.**

28. Which of the following can be done with S3 buckets through the SOAP and REST APIs?

- a) Upload new objects to a bucket and download them
- b) Create, edit, or delete existing buckets
- c) Specify where a bucket should be stored
- d) All of the mentioned

[View Answer](#)

**Answer: d**

**Explanation: The REST API is preferred to the SOAP API because it is easier to work with large binary objects with REST.**

29. Which of the following operation retrieves the newest version of the object?

- a) PUT
- b) GET
- c) POST
- d) COPY

[View Answer](#)

**Answer: b**

**Explanation: Versioning also can be used for preserving data and for archiving purposes.**

30. Which of the following statement is wrong about Amazon S3?

- a) Amazon S3 is highly reliable
- b) Amazon S3 provides large quantities of reliable storage that is highly protected
- c) Amazon S3 is highly available
- d) None of the mentioned

[View Answer](#)

**Answer: c**

**Explanation: S3 excels in applications where storage is archival in nature.**

## **Cloud Computing Questions and Answers – Amazon Elastic Block Store**

This set of Interview Questions & Answers focuses on “Amazon EBS – Elastic Block Store”.

31. Which of the following tool is used for measuring I/O of your systems to estimate these transaction costs?

- a) EBS
- b) IOSTAT
- c) ESW
- d) All of the mentioned

[View Answer](#)



**Answer: b**

**Explanation: EBS is a service priced on the amount of storage space used.**

32. Point out the wrong statement.

- a) The cost of creating an EBS volume is lesser than creating a similarly sized S3 bucket
- b) An EBS volume can be used as an instance boot partition
- c) EBS boot partitions can be stopped and started, and they offer fast AMI boot times
- d) None of the mentioned

View Answer

**Answer: a**

**Explanation: The cost of creating an EBS volume is also greater than creating a similarly sized S3 bucket.**

33. Which of the following is also referred to edge computing?

- a) Cloud Wave
- b) Cloud Front
- c) CloudSpot
- d) All of the mentioned

View Answer

**Answer: b**

**Explanation: In edge computing, content is pushed out geographically so the data is more readily available to network clients and has a lower latency when requested.**

34. Cloud Front supports \_\_\_\_\_ data by performing static data transfers and streaming content from one Cloud Front location to another.

- a) table caching
- b) geocaching
- c) index caching
- d) windows Media Server

View Answer

**Answer: b**

**Explanation: A user requesting data from a CloudFront site is referred to the nearest geographical location.**

35. Point out the correct statement.

- a) A volume is mounted on a particular instance and is available to all instances
- b) The advantages of an EBS boot partition are that you can have a volume up to 1TB
- c) You cannot mount multiple volumes on a single instance
- d) All of the mentioned

View Answer

**Answer: b**

**Explanation: EBS is similar in concept to a Storage Area Network or SAN.**

36. Data stored in \_\_\_\_\_ domains doesn't require maintenance of a schema.

- a) SimpleDB
- b) SQL Server
- c) Oracle
- d) RDS

View Answer

**Answer: a**

**Explanation: To create a high performance “simple” database, the data store created is flat; that is, it is non-relational and joins are not supported.**

37. Which of the following is relational database service provided by Amazon?

- a) SimpleDB
- b) SQL Server
- c) Oracle
- d) RDS

[View Answer](#)

**Answer: d**

**Explanation: Amazon offers two different types of database services.**

38. Which of the following can be considered as a distributed caching system?

- a) CND
- b) CDN
- c) CWD
- d) All of the mentioned

[View Answer](#)

**Answer: b**

**Explanation: Amazon Cloud Front is referred to as a content delivery network (CDN), and sometimes called edge computing.**

39. Amazon Relational Database Service is a variant of the \_\_\_\_\_ 5.1 database system.

- a) Oracle
- b) MySQL
- c) SQL Server
- d) All of the mentioned

[View Answer](#)

**Answer: b**

**Explanation: The purpose of RDS is to allow database applications that already exist to be ported to RDS and placed in an environment that is relatively automated and easy to use.**

40. Which of the following database should be used for a solution that has a very high availability?

- a) Simple DB
- b) RDS
- c) Amazon EC2
- d) None of the mentioned

[View Answer](#)

**Answer: a**

**Explanation: Use SimpleDB for the lowest administrative overhead.**