

1) Choose among the following which is related to services provided by the cloud.

1. Reliability
2. Sourcing
3. Ownership
4. **AaaS**

2) Identify the deployment model among the following.

1. Private
2. Public
3. Hybrid
4. **All of the above**

3) Identify among the components which are known as a hypervisor.

1. VMC
2. **VMM**
3. VC
4. All of the above

4) Choose the correct relationship of cloud services to customers.

1. One-One
2. **One-Many**
3. Many-one
4. Many-Many

5) Which of the following refers to network or internet?

1. **Cloud**
2. CRM
3. Cloud computing
4. Computing

6) What is an Amazon Machine Image (AMI) in AWS?

1. A type of database service
2. **A pre-configured template for creating virtual servers**
3. A tool for monitoring network traffic
4. A security feature for protecting data at rest

7) Which components are typically included in an AMI?

- 1. Operating system, application server, and database server**
2. Web browser, text editor, and development tools
3. Firewall, intrusion detection system, and antivirus software
4. Load balancer, cache server, and message queue

8) What is the primary purpose of Elastic Load Balancing (ELB) in AWS?

1. To increase data storage capacity
- 2. To automatically distribute incoming application traffic across multiple targets**
3. To manage relational databases
4. To automate server provisioning

9) Which types of Elastic Load Balancers are offered by AWS?

1. Application Load Balancer (ALB)
2. Network Load Balancer (NLB)
3. Classic Load Balancer (CLB)
- 4. All of the above**

10) What does EC2 stand for in Amazon Web Services (AWS)?

1. Elastic Cache Compute
- 2. Elastic Compute Cloud**
3. Elastic Container Cloud
4. Elastic Cluster Compute

11) What type of storage does Amazon S3 Glacier provide?

1. Block-level storage
2. File-level storage
- 3. Object storage**
4. NoSQL database storage

12) What type of storage does Amazon S3 provide?

1. Block-level storage
2. File-level storage
- 3. Object storage**

4. NoSQL database storage

13) What is the maximum size of a single object that can be stored in Amazon S3?

1. 1 GB
2. 5 GB
3. 10 GB
- 4. 5 TB**

14) What is Amazon EBS primarily used for?

1. Block-level storage
2. File-level storage
- 3. Object storage**
4. NoSQL database storage

15) What is the maximum size of a single Amazon EBS volume?

- 16) 1 TB**
- 17) 10 TB**
- 18) 16 TB**
- 19) 32 TB**

20) Which of the following is a fully managed relational database service by AWS?

1. Amazon S3
- 2. Amazon RDS**
3. Amazon DynamoDB
4. Amazon Redshift

21) Which AWS service is compatible with MongoDB and offers scalability, availability, and performance with document databases?

1. Amazon Aurora
- 2. Amazon DocumentDB**
3. Amazon ElastiCache
4. Amazon Neptune

22) Which AWS database service is a fully managed NoSQL database that provides single-digit millisecond latency?

1. Amazon RDS
2. Amazon Redshift
- 3. Amazon DynamoDB**
4. Amazon Timestream

23) Which AWS service is a fully managed, petabyte-scale data warehouse service in the cloud?

1. Amazon Aurora
2. Amazon Redshift
- 3. Amazon RDS**
4. Amazon DocumentDB

24) Which AWS service is purpose-built for IoT and time series workloads, storing and processing time-series data at any scale?

- 1. Amazon DynamoDB**
2. Amazon Timestream
3. Amazon Redshift
4. Amazon Aurora

25) What does VPC stand for in the context of Amazon Web Services (AWS)?

1. Virtual Private Connection
2. Virtualized Provisioning Control
- 3. Virtual Private Cloud**
4. Visualized Processing Center

26) What is the primary purpose of Amazon VPC?

1. To manage virtual servers
2. To provide cloud storage
- 3. To create a private network within AWS**
4. To analyze big data

27) What is the purpose of AWS VPN?

1. To distribute application traffic across multiple targets.
2. To store and retrieve data objects.
- 3. To establish secure connections between on-premises networks and AWS.**
4. To manage virtual private networks (VPNs) within an AWS VPC.

28) Which VPN protocol is commonly used with AWS VPN?

1. SSL/TLS VPN
2. PPTP VPN
- 3. IPsec VPN**
4. L2TP VPN

29) Can AWS VPN be used for site-to-site VPN connections?

1. **Yes, to connect an on-premises network to an AWS VPC.**
2. Yes, to connect multiple AWS VPCs together.
3. No, AWS VPN is only for client VPN connections.
4. No, AWS VPN is only for connecting to AWS managed services.

30) Which of the following components are required when creating a VPC?

1. Subnet
2. Internet Gateway
3. Route Table
4. **All of the above**

31) Which of the following is NOT a valid VPC subnet type?

1. Public Subnet
2. Private Subnet
3. **Hybrid Subnet**
4. VPN Subnet

32) What is Amazon Route 53 primarily used for?

1. Database management
2. Content delivery
3. **Domain Name System (DNS) web service**
4. Virtual private networking

33) What types of records can be managed with Amazon Route 53?

1. **A, AAAA, CNAME, and TXT records**
2. RDS, S3, EC2, and DynamoDB records
3. TCP, UDP, HTTP, and HTTPS records
4. IPv4, IPv6, MAC, and IPsec records

34) Which of the following DNS routing policies is used to route traffic to multiple resources in a weighted distribution?

1. Latency-based routing
2. Geolocation routing
3. **Weighted routing**
4. Failover routing

35) Total types of hypervisors are?

1. 2
- 2. 3**
3. 4
4. 5

36) Total types of PaaS are?

1. 2
2. 3
- 3. 4**
4. 5

37) QPS stands for?

1. Query period sites
2. Quantum per second
3. Quality Per Service
- 4. Query per second**

38) Choose the most important use of cloud computing.

1. Data privacy
2. Data storage
3. Cost-effective
- 4. Security**

39) Which of the following is a cloud platform by amazon?

1. Cloudera
2. Azure
- 3. AWS**
4. All of the above

40) What does EC2 stand for?

- 1. Elastic Compute Cloud**
2. Elastic Container Service
3. Elastic Cloud Storage
4. Elastic Load Balancer

41) Which AWS service is used to automatically distribute incoming application traffic across multiple EC2 instances?

1. EC2 Auto Scaling
2. EBS (Elastic Block Store)
- 3. ELB (Elastic Load Balancer)**
4. AMI (Amazon Machine Image)

42) What is an AMI in the context of EC2?

1. A virtual machine running in the AWS Cloud
2. A storage service for EC2 instances
- 3. A template used to launch EC2 instances**
4. A load balancing service for EC2 instances

43) Which type of ELB operates at the transport layer (Layer 4) of the OSI model and forwards traffic based on IP addresses and ports?

1. Classic Load Balancer
2. Application Load Balancer
- 3. Network Load Balancer**
4. Elastic Load Balancer

44) What is the purpose of EC2 Auto Scaling?

- 1. To automatically add or remove EC2 instances based on demand**
2. To automatically scale storage capacity for EC2 instances
3. To automatically load balance incoming traffic to EC2 instances
4. To automatically create backups of EC2 instances

45) Which AWS storage service is designed for long-term archival and data retention?

1. S3 (Simple Storage Service)
2. EBS (Elastic Block Store)
- 3. Glacier**
4. CloudFront

46) What is the main difference between S3 and EBS?

- 1. S3 is for object storage, while EBS is for block storage.**
2. S3 is for block storage, while EBS is for object storage.
3. S3 is for archival storage, while EBS is for real-time data access.

4. S3 is for real-time data access, while EBS is for archival storage.

47) Which storage service is primarily used for storing data for EC2 instances?

1. S3 (Simple Storage Service)
- 2. EBS (Elastic Block Store)**
3. Glacier
4. CloudFront

48) What is the default storage class for objects in S3?

- 1. Standard**
2. Intelligent-Tiering
3. Glacier
4. Deep Archive

49) Which storage class in S3 is designed for infrequently accessed data with lower storage costs?

- 1. Standard-IA (Infrequent Access)**
2. One Zone-IA (Infrequent Access)
3. Glacier
4. Deep Archive

50) Which AWS database service supports SQL queries and transactions?

- 1. RDS (Relational Database Service)**
2. DocumentDB
3. DynamoDB
4. Redshift

51) Which AWS database service is best suited for handling large-scale, high-traffic applications with read and write workloads?

1. RDS (Relational Database Service)
2. DocumentDB
- 3. DynamoDB**
4. Redshift

52) Which AWS database service is optimized for handling time series data and provides built-in time series analytics?

1. RDS (Relational Database Service)
2. DocumentDB
3. DynamoDB
- 4. Amazon Timestream**

53) Which AWS database service is best suited for storing and querying unstructured data?

1. RDS (Relational Database Service)
- 2. DocumentDB**
3. DynamoDB
4. Redshift

54) Which AWS database service is best suited for running online transaction processing (OLTP) workloads?

- 1. RDS (Relational Database Service)**
2. DocumentDB
3. DynamoDB
4. Redshift

55) What is an ACL in the context of network security?

- 1. Access Control List**
2. Amazon CloudFront
3. Amazon CloudWatch
4. Application Load Balancer

56) Which AWS service provides a logically isolated section within the AWS Cloud?

1. ACL
- 2. VPC**
3. VPN
4. Route53

57) Which AWS service is used to establish a secure connection between an on-premises network and an AWS VPC?

1. ACL
2. Direct Connect
- 3. VPN**
4. Route53

58) What is Route53?

1. An ACL service
2. A VPC service
3. A VPN service

4. A domain registration and DNS web service

59) Which service is used to route traffic between different VPCs or networks?

1. ACL
2. Direct Connect
3. VPN
4. **Route53**

60) Which AWS service is used to control network traffic at the subnet level?

1. ACL
2. **VPC**
3. VPN
4. Route53

61) What is the purpose of an ACL?

1. **To define rules for inbound and outbound traffic at the subnet level**
2. To encrypt data in transit between networks
3. To provide domain registration and DNS services
4. To establish a secure connection between networks

62) What is the default behavior of ACL rules when no explicit rule is matched?

1. Allow all traffic
2. **Deny all traffic**
3. Allow inbound traffic, deny outbound traffic
4. Deny inbound traffic, allow outbound traffic

63) Which service is responsible for DNS resolution within a VPC?

1. ACL
2. **VPC**
3. VPN
4. Route53

64) Which AWS service is used for global domain name resolution?

1. ACL
2. VPC
3. VPN
4. **Route53**

65) In cloud computing, the client is on which end.

1. Backend
- 2. Frontend**
3. Depends
4. Both a and b

66) In which year was Google Compute Engine released?

1. 2019
2. 2009
- 3. 2012**
4. 2006

67) What is the most important concern of cloud computing?

1. Cost
2. Space
- 3. Security**
4. Platform

68) Total types of cloud computing services are?

1. 1
2. 2
- 3. 3**
4. 4

69) What does PaaS stand for?

- 1. Platform as a service**
2. Platform as a software
3. Parallel as a service
4. None

70) Which of the following instance types in Amazon EC2 is optimized for high-performance databases and large-scale in-memory caching?

1. T2 instances
2. M5 instances
- 3. R5 instances**
4. C5 instances

71) What is the maximum number of Elastic IP addresses that can be associated with an EC2 instance by default?

1. 5
- 2. 10**
3. 50
4. 20

72) Which Elastic Load Balancer type provides support for routing traffic based on content of the request, such as URL path or host?

- 1. Application Load Balancer (ALB)**
2. Network Load Balancer (NLB)
3. Classic Load Balancer (CLB)
4. None of the above

73) How does Elastic Load Balancing enhance the availability of applications?

- 1. By distributing incoming traffic across multiple targets**
2. By automatically replicating data across multiple regions
3. By encrypting data in transit
4. By implementing firewalls at the network perimeter

74) How are Amazon Machine Images (AMIs) stored?

- 1. In Amazon S3 buckets**
2. In Amazon RDS instances
3. In Amazon EBS volumes
4. In Amazon CloudFront distributions

75) How does Amazon S3 Glacier ensure data durability?

1. By replicating data across multiple Availability Zones
2. By replicating data across multiple regions
3. By using cross-region replication
- 4. By storing data across multiple facilities in a region**

76) What is the retrieval time for data stored in Amazon S3 Glacier?

1. Instantaneous
2. Within a few minutes
- 3. Within a few hours**
4. Within a few days

77) What is the default durability level provided by Amazon S3 for storing objects?

1. 99.90%
2. 99.99%
- 3. 99.999999999% (11 9's)**
4. 99.9999999% (9 9's)

78) Which AWS service can be integrated with Amazon S3 for data transfer and processing?

1. Amazon EC2
2. Amazon DynamoDB
3. AWS Lambda
- 4. All of the above**

79) Which of the following volume types offers the highest level of performance?

1. General Purpose SSD (gp2)
- 2. Provisioned IOPS SSD (io1)**
3. Cold HDD (sc1)
4. Throughput Optimized HDD (st1)

80) Which AWS service can be integrated with Amazon Timestream for real-time data ingestion?

1. Amazon S3
- 2. Amazon Kinesis**
3. Amazon Redshift
4. Amazon RDS

81) What is Amazon Redshift primarily used for?

1. Document storage
2. Real-time data processing
- 3. Data warehousing and analytics**
4. Content delivery

82) Which type of database does Amazon Redshift belong to?

1. Relational database
2. NoSQL database
- 3. Columnar database**
4. Graph database

83) What does Amazon RDS stand for?

- 1. Relational Database Service**
2. Redshift Database Service
3. Reliable Data Storage
4. Remote Database Service

84) What type of database is Amazon DynamoDB?

1. Relational database
- 2. NoSQL database**
3. Graph database
4. Document database

85) Which service is used to create a logically isolated section within the AWS Cloud?

- 1. VPC**
2. Route53
3. VPN
4. S3

86) Which service provides domain registration and DNS web service?

1. VPC
- 2. Route53**
3. VPN
4. S3

87) What does VPN stand for?

1. Virtual Public Network
2. Virtual Personal Network
- 3. Virtual Private Network**
4. Virtual Protected Network

88) Which AWS service is used to establish a secure connection between an on-premises network and an AWS VPC?

1. VPC Peering
2. Direct Connect
- 3. VPN**
4. Route53

89) Which service provides scalable DNS web services?

1. VPC
- 2. Route53**
3. VPN
4. S3

90) How does VPC help with network security in AWS?

1. It provides encryption for data in transit.
- 2. It isolates resources and provides control over inbound and outbound traffic.**
3. It provides secure access to AWS services.
4. It ensures compliance with industry standards.

91) Which AWS service is used to route traffic between different VPCs or networks?

- 1. VPC Peering**
2. Direct Connect
3. VPN
4. Route53

92) Which protocol is commonly used for VPN connections?

- 1. HTTP**
2. UDP
3. TCP
4. IPSec

93) Which AWS service provides a fully managed virtual private cloud for running containerized applications?

1. Amazon EC2
2. Amazon S3
3. Amazon VPC
- 4. Amazon ECS**

94) What is the purpose of a VPN in the context of network security?

1. To encrypt data between the client and the server.
- 2. To provide secure remote access to a private network.**
3. To prevent unauthorized access to a website.
4. To optimize network performance.

95) What is the primary characteristic of a private cloud?

1. Shared infrastructure
2. Public access
3. Limited scalability
- 4. Single-tenant environment**

96) Which of the following is true about a private cloud?

1. It is highly scalable and accessible to the public.
2. It is owned and operated by multiple organizations.
- 3. It offers greater control and security compared to public clouds.**
4. It relies on third-party providers for management

97) What type of organization typically utilizes a private cloud?

1. Small businesses
- 2. Government agencies**
3. Individual consumers
4. Non-profit organizations

98) Which of the following is a benefit of a private cloud?

1. Reduced control over security
2. Lower initial investment compared to public clouds
- 3. Increased customization and control over resources**
4. Dependency on third-party providers for maintenance

99) protocols are supported for receiving emails in Amazon SES?

- 1. SMTP and IMAP**
2. POP3 and HTTP
3. FTP and SSH
4. SNMP and TCP

100) Which AWS service allows you to reserve capacity for EC2 instances and reduce costs?

1. AWS Cost Explorer
2. AWS Budgets
3. AWS Trusted Advisor
- 4. AWS Savings Plans**

101) What is AWS Config used for?

1. Monitoring AWS resources
2. Auditing API calls made in your AWS account
- 3. Assessing resource configurations for compliance**
4. Analyzing log files for security issues

102) Which AWS service allows you to create and manage a virtual private cloud (VPC)?

1. AWS CloudTrail
2. AWS config
3. AWS CloudFormation
- 4. Amazon VPC**

103) What does Amazon RDS stand for?

- 1. Relational Database Service**
2. Redshift Database Service
3. Reliable Data Storage
4. Remote Database Service

104) What is the purpose of AWS VPN?

1. To distribute application traffic across multiple targets.
2. To store and retrieve data objects.
- 3. To establish secure connections between on-premises networks and AWS.**
4. To manage virtual private networks (VPNs) within an AWS VPC.

105) What is Amazon EBS primarily used for?

1. Object storage
2. File storage
- 3. Block-level storage**
4. NoSQL database storage

106) What type of storage does Amazon S3 provide?

1. Block-level storage
2. File-level storage
- 3. Object storage**
4. NoSQL database storage

107) Which of the following is NOT an instance type offered by Amazon EC2?

1. T2

2. M5
- 3. R4**
4. X1

108) Which AWS service can be used to monitor the status and health of VPN connections?

1. AWS CloudTrail
- 2. AWS CloudWatch**
3. Amazon VPC Flow Logs
4. AWS VPN CloudHub

109) Which service is used to scale EC2 instances automatically based on demand?

1. Amazon RDS
2. AWS Lambda
- 3. Amazon EC2 Auto Scaling**
4. Amazon ECS

110) What is the maximum size of a single object that can be stored in Amazon S3?

1. 1 GB
2. 5 GB
3. 10 GB
- 4. 5TB**

111) What is an Amazon Machine Image (AMI) in AWS?

1. A type of database service
- 2. A pre-configured template for creating virtual servers**
3. A tool for monitoring network traffic
4. A security feature for protecting data at rest

112) Which AWS service is responsible for managing backups in Amazon RDS?

1. Amazon S3
- 2. Amazon RDS itself**
3. Amazon Glacier
4. Amazon EBS

113) What feature allows you to create point-in-time snapshots of Amazon EBS volumes?

1. Amazon Glacier

2. Amazon S3
- 3. Amazon EBS Snapshots**
4. Amazon CloudWatch

114) Which VPN protocol is commonly used with AWS VPN?

1. SSL/TLS VPN
2. PPTP VPN
- 3. IPsec VPN**
4. L2TP VPN

115) Which AWS service enables you to publish custom metrics to Amazon CloudWatch?

1. AWS Lambda
2. AWS S3
3. Amazon RDS
- 4. Amazon EC2**

116) Which of the following database engines is not supported by Amazon RDS?

1. MYSQL
2. Postgress
- 3. MongoDB**
4. Oracle

117) Which load balancer type operates at the transport layer (Layer 4) of the OSI model?

- 1. Network Load Balancer**
2. Application Load Balancer
3. Classic Load Balancer
4. None of the above

118) What is the minimum size for an Amazon EBS volume?

- 1. 1GB**
2. 10GB
3. 100GB
4. 1TB

119) What is Amazon Route 53 primarily used for?

1. Database management

2. Content delivery
- 3. Domain Name System (DNS) web service**
4. Virtual private networking

120) Which volume type is designed for frequently accessed workloads and provides a balance of price and performance?

- 1. General Purpose SSD (gp2)**
2. Provisioned IOPS SSD (io1)
3. Throughput Optimized HDD (st1)
4. Magnetic (standard)

121) What is the maximum number of VPN connections supported by AWS VPN?

1. 1
2. 5
3. 10
- 4. 50**

122) Which load balancer type provides support for TCP and UDP traffic?

- 1. Network Load Balancer**
2. Application Load Balancer
3. Classic Load Balancer
4. None of the above

123) Which of the following is a managed load balancing service provided by AWS?

1. Elastic Beanstalk
- 2. Elastic Load Balancing**
3. Amazon EC2
4. Amazon S3

124) Which AWS service is used to manage AWS VPN connections?

1. AWS Direct Connect
2. AWS VPN CloudHub
3. Amazon VPC
- 4. AWS Management Console**

