

Q1) Under the shared responsibility model, which of the following tasks are the responsibility of the AWS customer? (Select TWO.)

- A. **Ensuring** that users have received security training in the use of AWS services
- B. Ensuring that hardware is disposed of properly
- C. Ensuring that AWS NTP servers are set to the correct time
- D. **Ensuring that application data is encrypted at rest**
- E. Ensuring that access to data centers is restricted

Q2) Which AWS technology can be referred to as a “virtual hard disk in the cloud”?

- A. **Amazon EBS volume**
- B. Amazon S3 Bucket
- C. Amazon ENI
- D. Amazon EFS Filesystem

Q3) Which of the following acts as a virtual firewall at the Amazon EC2 instance level to control traffic for one or more instances?

- A. **Security groups**
- B. Route table
- C. Virtual private gateways (VPG)
- D. Network Access Control Lists (ACL)

Q4) Which of the statements below does NOT characterize cloud computing?

- A. With cloud computing you get to benefit from massive economies of scale
- B. Cloud computing is the on-demand delivery of compute power
- C. **Cloud computing allows you to swap variable expense for capital expense**
- D. With cloud computing you can increase your speed and agility

Q5) Which of the following are pillars from the five pillars of the AWS Well-Architected Framework? (Select TWO.)

- A. **Performance** efficiency
- B. Confidentiality
- C. **Operational** excellence
- D. Economics
- E. Resilience

Q6) According to the AWS Well-Architected Framework, what change management steps should be taken to achieve reliability in the AWS Cloud? (Select TWO.)

- A. Use Amazon GuardDuty to record API activity to an S3 bucket
- B. Use AWS Certificate Manager to create a catalog of approved services
- C. **Use AWS Config to generate an inventory of AWS resources**
- D. **Use AWS CloudTrail to record AWS API calls into an auditable log file**
- E. Use service limits to prevent users from creating or making changes to AWS resources

Q7) Which AWS service provides the ability to detect inadvertent data leaks of personally identifiable information (PII) and user credential data?

- A. Amazon GuardDuty
- B. AWS Shield
- C. Amazon Inspector

D. **Amazon** Macie

Q8) Which type of AWS database is ideally suited to analytics using SQL queries?

- A. Amazon S3
- B. Amazon RDS
- C. **Amazon** RedShift
- D. Amazon DynamoDB

Q9) Which type of AWS database is ideally suited to analytics using SQL queries?

- A. Protection of infrastructure
- B. Operating system patching
- C. Client-side data encryption
- D. **Awareness** and training

Q10) What is the most efficient way to establish network connectivity from on-premises to multiple VPCs in different AWS Regions?

- A. Use AWS Client VPN
- B. Use AWS Direct Connect
- C. Use AWS VPN
- D. **Use** an AWS Transit Gateway

Q11) Your company has recently migrated to AWS. How can your CTO monitor the organization's costs?

- A. **AWS** Cost Explorer
- B. AWS CloudTrail
- C. AWS Simple Monthly calculator
- D. AWS Consolidated Billing

Q12) Which of the following are NOT features of AWS IAM? (Select TWO.)

- A. Shared access to your AWS account
- B. Identity federation
- C. **Logon** using local user accounts
- D. **Charged for what you use**
- E. PCI DSS compliance

Q13) What are the advantages of running a database service such as Amazon RDS in the cloud versus deploying on-premise? (Select TWO.)

- A. **Scalability** is improved as it is quicker to implement and there is an abundance of capacity
- B. You can use any database software you like, allowing greater flexibility
- C. You have full control of the operating system and can install your own operational tools
- D. **High availability is easier to implement due to built-in functionality for deploying read replicas and multi-AZ**
- E. There are no costs for replicating data between DBs in different data centers or regions

Q14) How can a systems administrator specify a script to be run on an EC2 instance during launch?

- A. Run Command
- B. AWS Config
- C. **User** Data
- D. Metadata

Q15) How can you deploy your EC2 instances so that if a single data center fails you still have instances available?

- A. **Across** Availability Zones
- B. Across subnets
- C. Across VPCs
- D. Across regions

Q16) How can a database administrator reduce operational overhead for a MySQL database?

- A. **Migrate** the database onto an Amazon RDS instance
- B. Migrate the database onto an EC2 instance
- C. Migrate the database onto AWS Lambda
- D. Use AWS CloudFormation to manage operations

Q17) The AWS Cost Management tools give users the ability to do which of the following? (Select TWO.)

- A. Move data stored in Amazon S3 to a more cost-effective storage class
- B. Switch automatically to Reserved Instances or Spot Instances, whichever is most cost-effective
- C. **Break** down AWS costs by day, service, and linked AWS account
- D. **Create** budgets and receive notifications if current or forecasted usage exceeds the budgets
- E. Terminate all AWS resources automatically if budget thresholds are exceeded

Q18) In which ways does AWS' pricing model benefit organizations?

- A. Focus spend on capital expenditure, rather than operational expenditure
- B. **Reduce** the cost of maintaining idle resources
- C. Reduces the people cost of application development
- D. Eliminates licensing costs

Q19) Which AWS service is designed to be used for operational analytics?

- A. Amazon QuickSight
- B. **Amazon** Elasticsearch Service
- C. Amazon Athena
- D. Amazon EMR

Q20) Which AWS technology enables you to group resources that share one or more tags?

- A. Tag groups
- B. Organization groups
- C. Consolidation groups
- D. **Resource** groups

Q21) Which feature of Amazon S3 enables you to create rules to control the transfer of objects between different storage classes?

- A. **Lifecycle** management
- B. Object sharing
- C. Bucket policies
- D. Versioning

Q22) Your manager has asked you to explain some of the security features available in the AWS cloud. How can you describe the function of Amazon CloudHSM?

- A. **It can be used to generate, use and manage encryption keys in the cloud**
- B. It provides server-side encryption for S3 objects
- C. It is a firewall for use with web applications
- D. It is a Public Key Infrastructure (PKI)

Q23) Which pricing model will interrupt a running Amazon EC2 instance if capacity becomes temporarily unavailable?

- A. Standard Reserved Instances
- B. **Spot Instances**
- C. Convertible Reserved Instances
- D. On-Demand Instances

Q24) Which type of scaling does Amazon EC2 Auto Scaling provide?

- A. **Horizontal**
- B. Linear
- C. Incremental
- D. Vertical

Q25) Where are Amazon EBS snapshots stored?

- A. Within the EBS block store
- B. On an Amazon EFS filesystem
- C. **On Amazon S3**
- D. On an Amazon EBS instance store

Q26) Which AWS Cloud design principles can help increase reliability? (Select TWO.)

- A. Measuring overall efficiency
- B. **Testing** recovery procedures
- C. **Automatically recovering from failure**
- D. Using monolithic architecture
- E. Adopting a consumption model

Q27) Which AWS Glacier data access option retrieves data from an archive in 1-5 minutes?

- A. **Expedited**
- B. Accelerated
- C. Express

D. Standard

Q28) What type of cloud computing service type do AWS Elastic Beanstalk and Amazon RDS correspond to?

- A. **PaaS**
- B. SaaS
- C. IaaS
- D. Hybrid

Q29) What is the name for the top-level container used to hold objects within Amazon S3?

- A. **Bucket**
- B. Instance Store
- C. Folder
- D. Directory

Q30) Your manager has asked you to explain the benefits of using IAM groups. Which of the below statements are valid benefits? (Select TWO.)

- A. Provide the ability to create custom permission policies
- B. **Enables you to attach IAM permission policies to more than one user at a time**
- C. Provide the ability to nest groups to create an organizational hierarchy
- D. You can restrict access to the subnets in your VPC
- E. **Groups** let you specify permissions for multiple users, which can make it easier to manage the permissions for those users

Q31) What do you need to log into the AWS console?

- A. **User** name and password
- B. Key pair
- C. Access key and secret ID
- D. Certificate

Q32) Which AWS database service is schema-less and can be scaled dynamically without incurring downtime?

- A. **Amazon** DynamoDB
- B. Amazon RedShift
- C. Amazon RDS
- D. Amazon Aurora

Q33) Which AWS support plans provide 24x7 access to customer service?

- A. Basic
- B. Business
- C. **All plans**
- D. Developer

Q34) What methods are available for scaling an Amazon RDS database? (Select TWO.)

- A. **You can scale up by moving to a larger instance size**
- B. You can scale out by implementing Elastic Load Balancing

- C. You can scale out automatically with EC2 Auto Scaling
- D. You can scale up automatically using AWS Auto Scaling
- E. You can scale up by increasing storage capacity**

Q35) Which AWS service is suitable for an event-driven workload?

- A. Amazon EC2
- B. AWS Lambda**
- C. Amazon Lumberyard
- D. AWS Elastic Beanstalk

Q36) A web application running on AWS has been received malicious requests from the same set of IP addresses.

Which AWS service can help secure the application and block the malicious traffic?

- A. Amazon GuardDuty
- B. AWS WAF**
- C. Amazon SNS
- D. AWS IAM

Q37) Which of the authentication options below can be used to authenticate using AWS APIs? (Select TWO.)

- A. Server certificates**
- B. Server passwords
- C. Access keys**
- D. Key pairs
- E. Security groups

Q38) A company is using the AWS CLI and programmatic access of AWS resources from its on-premises network.

What is a mandatory requirement in this scenario?

- A. Using an AWS access key and a secret key**
- B. Using an AWS Direct Connect connection
- C. Using an Amazon EC2 key pair
- D. Using Amazon API Gateway

Q39) What is an example of scaling vertically?

- A. Increasing the instance size with Amazon RDS**
- B. Adding read replicas to an Amazon RDS database
- C. AWS Lambda adding concurrently executing functions
- D. AWS Auto Scaling adding more EC2 instances

Q40) Based on the shared responsibility model, which of the following security and compliance tasks is AWS responsible for?

- A. Granting access to individuals and services
- B. Updating operating systems
- C. Encrypting data in transit

D. Updating Amazon EC2 host firmware

Q41) Under the AWS Shared Responsibility Model, who is responsible for what? (Select TWO.)

- A. Customers are responsible for compute infrastructure
- B. Customers are responsible for edge locations
- C. AWS are responsible for networking infrastructure**
- D. Customers are responsible for networking traffic protection**
- E. AWS are responsible for network and firewall configuration

Q42) Which AWS service or feature helps restrict the AWS service, resources, and individual API actions the users and roles in each member account can access?

- A. Amazon Cognito
- B. AWS Firewall Manager
- C. AWS Organizations**
- D. AWS Shield

Q43) Which AWS service can be used to run Docker containers?

- A. AWS Lambda
- B. AWS Fargate**
- C. Amazon ECR
- D. Amazon AMI

Q44) Where do Amazon Identity and Access Management (IAM) accounts need to be created for a global organization?

- A. In each region where the users are located
- B. Just create them once, as IAM is a global service**
- C. Create them globally, and then replicate them regionally
- D. In each geographical area where the users are located

Q45) Which of the following statements about AWS's pay-as-you-go pricing model is correct?

- A. It results in reduced capital expenditures**
- B. It requires payment up front for AWS services
- C. It reduces operational expenditures
- D. It is relevant only for Amazon EC2, Amazon S3, and Amazon DynamoDB

Q46) What is the easiest way to store a backup of an EBS volume on Amazon S3?

- A. Write a custom script to copy the data into a bucket
- B. Use S3 lifecycle actions to backup the volume
- C. Use Amazon Kinesis to process the data and store the results in S3
- D. Create a snapshot of the volume**

Q47) Which type of Elastic Load Balancer operates at the TCP connection level?

- A. Network Load Balancer (NLB)**
- B. Amazon Route 53 Load Balancer

- C. Application Load Balancer (ALB)
- D. Classic Load Balancer (CLB)

Q48) Which of the following is NOT a best practice for protecting the root user of an AWS account?

- A. Remove administrative permissions**
- B. Lock away the AWS root user access keys
- C. Don't share the root user credentials
- D. Enable MFA

Q49) You need to connect your company's on-premise network into AWS and would like to establish an AWS managed VPN service. Which of the following configuration items needs to be setup on the Amazon VPC side of the connection?

- A. A Network Address Translation device
- B. A Virtual Private Gateway**
- C. A Customer Gateway
- D. A Firewall

Q50) To reduce cost, which of the following services support reservations? (Select TWO.)

- A. Amazon RedShift**
- B. Amazon S3
- C. Amazon ElastiCache**
- D. AWS Elastic Beanstalk
- E. Amazon CloudFormation

Q51) Which AWS service makes it easy to coordinate the components of distributed applications as a series of steps in a visual workflow?

- A. Amazon SNS
- B. Amazon SWF
- C. AWS Step Functions**
- D. Amazon SES

Q52) Which of the following are examples of horizontal scaling? (Select TWO.)

- A. Add more instances as demand increases**
- B. Requires a restart to scale up or down
- C. Scalability is limited by maximum instance size
- D. Add more CPU/RAM to existing instances as demand increases
- E. Automatic scaling using services such as AWS Auto Scaling

Q53) A Cloud Practitioner is creating the business process workflows associated with an order fulfillment system. Which AWS service can assist with coordinating tasks across distributed application components?

- A. Amazon SWF**
- B. Amazon SQS
- C. AWS STS
- D. Amazon SNS

Q54) Which resource should you use to access AWS security and compliance reports?

- A. AWS Business Associate Addendum (BAA)
- B. AWS Organizations
- C. AWS IAM
- D. AWS Artifact**

Q55) Your organization has offices around the world and some employees travel between offices. How should their accounts be setup?

- A. Enable MFA for the accounts
- B. Set the user account as a "global" account when created
- C. Create a separate account in IAM within each region in which they will travel
- D. IAM is a global service, just create the users in one place**

Q56) Which HTTP code indicates a successful upload of an object to Amazon S3

- A. 300
- B. 500
- C. 400
- D. 200**

Q57) Which AWS security tool uses an agent installed in EC2 instances and assesses applications for vulnerabilities and deviations from best practices?

- A. AWS TCO Calculator
- B. AWS Personal Health Dashboard
- C. AWS Inspector**
- D. AWS Trusted Advisor

Q58) Under the AWS shared responsibility model, which of the following are customer responsibilities? (Select TWO.)

- A. Setting up server-side encryption on an Amazon S3 bucket**
- B. Amazon RDS instance patching
- C. Compute capacity availability
- D. Network and firewall configurations**
- E. Physical security of data center facilities

Q59) Which AWS service can serve a static website?

- A. Amazon S3**
- B. Amazon Route 53
- C. Amazon QuickSight
- D. AWS X-Ray

Q60) What advantages does the AWS cloud provide in relation to cost? (Select TWO.)

- A. Itemized power costs
- B. Fine-grained billing**
- C. Enterprise licensing discounts
- D. One-off payments for on-demand resources
- E. Ability to turn off resources and not pay for them**

Q61) How can a company facilitate the sharing of data over private connections between two accounts they own within a region?

- A. Create a subnet peering connection
- B. Configure matching CIDR address ranges
- C. Create a VPC peering connection**
- D. Create an internal ELB

Q62) You are evaluating AWS services that can assist with creating scalable application environments. Which of the statements below best describes the Elastic Load Balancer service?

- A. A highly available and scalable Domain Name System (DNS) service
- B. Automatically distributes incoming application traffic across multiple targets, such as Amazon EC2 instances, containers, and IP addresses**
- C. Helps you ensure that you have the correct number of Amazon EC2 instances available to handle the load for your application
- D. A network service that provides an alternative to using the Internet to connect customers' on-premise sites to AWS

Q63) A startup eCommerce company needs to quickly deliver new website features in an iterative manner, minimizing the time to market.

Which AWS Cloud feature allows this?

- A. Agility**
- B. Reliability
- C. High availability
- D. Elasticity

Q64) Which service allows you to monitor and troubleshoot systems using system and application log files generated by those systems?

- A. CloudWatch Logs**
- B. CloudTrail Logs
- C. CloudWatch Metrics
- D. CloudTrail Metrics

Q65) How can a company configure automatic, asynchronous copying of objects in Amazon S3 buckets across regions?

- A. This is done by default by AWS
- B. Using cross-region replication**
- C. Using lifecycle actions
- D. By configuring multi-master replication

