

# Course Assessment

Friday, September 19, 2025 9:17 AM

1. Which IT requirement would lead an architect to choose an infrastructure as a service (IaaS) cloud service model?
  - A. A company wants to maintain control of its applications but avoid maintaining servers and operating systems
  - B. A company wants to maintain the highest-level of flexibility over its IT resources
  - C. A company wants to use a web-based mail solution
  - D. A company wants to run a managed instance for the marketplace
2. Which statement describes the business perspective of the AWS Cloud Adoption Framework?
  - A. Stakeholders can use architectural dimensions and models to understand and communicate the nature of IT systems and their relationships.
  - B. Stakeholders can create a strong business case for cloud adoption and prioritize cloud adoption initiatives.
  - C. Stakeholders can focus on the skills and processes that are needed to align IT strategy and goals with business strategy and goals
  - D. Stakeholders can evaluate organizational structures and roles, new skill and process requirements, and identify gaps
3. Which statements about how a company would use AWS Organizations are accurate? (Select two answers)
  - A. A company can benefit from volume discounts with consolidated billing
  - B. A company can consolidate and centrally manage multiple AWS accounts
  - C. A company can use AWS Organizations to create security groups that control access to resources
  - D. A company can use AWS Organizations' consolidated identity and access management (IAM) feature to replace the existing IAM system for an individual account.
  - E. A company can only manage AWS Organizations through the AWS Management Console
4. Which factors are considered in calculating the total cost of ownership (TCO) for the AWS Cloud? (Select two answers)
  - A. The number of servers that need to be migrated to the cloud
  - B. The amount of storage that need to be migrated to the cloud
  - C. The number of groups that need to be migrated to the cloud
  - D. The number of roles that need to be migrated to the cloud
  - E. The number of users that need to be migrated to the cloud
5. Which statement about AWS Regions is true?
  - A. Using a Region as close as possible to users can reduce latency
  - B. All available Regions are enabled by default in an AWS account
  - C. All AWS accounts can access all AWS Regions
  - D. Data stored in an AWS Region isn't subject to geographical compliance requirements
6. Which statements about AWS Identity and Access Management (IAM) policies are accurate? (Select two answers)
  - A. Identity-based policies are attached to a user, group, or role
  - B. Resource-based policies are attached to a user, group, or role
  - C. Access control lists (ACLs) are a form of resource-based policies.
  - D. Resource-based policies allow access by default
  - E. Identity-based policies can only be attached to a simple entity
7. Which scenario describes a use case for AWS CloudTrail
  - A. An account administrator wants to centrally control access permissions for groups of accounts
  - B. An account administrator wants the ability to track user activity on their account
  - C. A systems administrator wants to protect their web application from denial of service attacks
  - D. A developer wants to control user logins to their website
8. A network administrator wants to configure a public subnet and route incoming and outgoing traffic to and from an Amazon EC2 instance in the public subnet to the public internet. Which virtual private cloud (VPC) feature should they use?
  - A. VPC Sharing
  - B. A network address translation (NAT) gateway
  - C. A network access control list (ACL)
  - D. An internet gateway
9. Which requirement suggests configuring Amazon Route 53 with latency routing?
  - A. A company wants to route traffic to the Region that provides the fastest experience based on performance measurements.
  - B. A company wants to detect website outages and automatically redirect customers to a healthy location.
  - C. A company wants to perform A/B testing and route traffic to different locations based on a percentage of traffic
  - D. A company wants to route traffic to only locations where they have distribution rights
10. A company wants complete control over its servers' configurations, operating system (OS), and application software stack. Which AWS compute service should they choose
  - A. Amazon Elastic Computer Service (Amazon ECS)
  - B. Amazon RDS.

- C. Amazon EC2
  - D. AWS Lambda
11. What role do security groups play in managing access to Amazon EC2 instances?
    - A. Security groups identify the public and private keys require to connect to an Amazon EC2 instance
    - B. Security groups define the AWS Identity and Access Management (IAM) roles that can access an instance
    - C. Security groups provide a set of rules to control traffic to or from an instance
    - D. Security groups control inbound access to the subnet that an Amazon EC2 is associated with
  12. A developer wants to use Amazon Elastic Block Store (Amazon EBS) for their application. What action should they take?
    - A. Back up the Amazon EBS volume using Snapshots
    - B. Attach the Amazon EBS volume to multiple Amazon EC2 instances in multiple AZs
    - C. Replicate the Amazon EBS volume in a different AZ
    - D. Attach the Amazon EBS Volume to an Amazon EC2 instance
  13. A company needs to store long-lived data. They need the data to be available immediately, but access patterns are unpredictable. Which Amazon S3 storage class would be most cost-effective?
    - A. Amazon S3 Glacier
    - B. Amazon S3 Standard
    - C. Amazon S3 Intelligent-Tiering
    - D. Amazon S3 One Zone-Infrequent Access
  14. A company needs to store billions of low volume daily events that will be used for analytics. Which storage option best fits this use case?
    - A. Amazon Elastic Block Storage (Amazon EBS)
    - B. Amazon Elastic Container Service (Amazon ECS)
    - C. Amazon EC2 instance store
    - D. Amazon S3
  15. Which option is a company's responsibility when running Amazon RDS?
    - A. Application optimization
    - B. Operating system installation
    - C. Database software patching
    - D. Operating system patching
  16. Which scenario is a good fit for Amazon RedShift?
    - A. A company needs to store a large volumes of mixed media image and video files
    - B. A company needs a data warehouse to support analytics applications
    - C. A company needs a database for managing unstructured data
    - D. A company needs a relational database for a line-of-business transactional database
  17. Which scenario reflects a design principle of the Security pillar of the AWS Well-Architected Framework?
    - A. Decentralize permissions management
    - B. Ensure that staff are actively monitoring potential risks manually
    - C. Don't deploy a solution to production until you're certain that there are no security risks
    - D. Apply security at all layers of an architecture
  18. What type of alert might be provided by AWS Trust Advisor?
    - A. An alert of unusual API calls made in an AWS account
    - B. An alert that an AWS Identity and Access Management (IAM) user has requested service quota changes
    - C. An alert that multi-factor authentication (MFA) isn't activated on an AWS account
    - D. An alert of unauthorized access in an AWS account
  19. A company has an application running on two Amazon EC2 instances. They want to reduce idle EC2 capacity. The application load is difficult to forecast, and they want to keep the CPU utilization close to 40 percent on all instances. Which type of Amazon EC2 Auto Scaling should they configure?
    - A. Scheduled scaling
    - B. Dynamic scaling
    - C. Manual scaling
    - D. Predictive scaling
  20. How is Elastic Load Balancing (ELB) used with Amazon EC2 Auto Scaling? (Select two answers)
    - A. ELB establishes the minimum and maximum number of instances in the Amazon EC2 Auto Scaling group
    - B. ELB triggers an Amazon EC2 Auto Scaling event when a threshold is reached
    - C. ELB distributes traffic between Amazon EC2 instances in an Amazon EC2 Auto Scaling Group
    - D. ELB automatically adds new instances to the Amazon EC2 Auto Scaling Group when the load reaches a predetermined limit
    - E. ELB performs health checks on new Amazon EC2 instances that are added to the Amazon EC2 Auto Scaling Group

