

**CLO-002.36q**

Number: CLO-002  
Passing Score: 800  
Time Limit: 120 min

**CLO-002**

**CompTIA Cloud Essentials+**

## Exam A

### QUESTION 1

A web application was deployed, and files are available globally to improve user experience. Which of the following technologies is being used?

- A. SAN
- B. CDN
- C. VDI
- D. API

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 2

Volume, variety, velocity, and veracity are the four characteristics of:

- A. machine learning.
- B. Big Data.
- C. microservice design.
- D. blockchain.
- E. object storage.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 3

A small online retailer is looking for a solution to handle the high load on its servers during the holiday season. The retailer is not currently ready to move its IT operations completely to the cloud.

Which of the following will BEST fit these requirements?

- A. Elasticity
- B. Scalability
- C. Bursting
- D. Self-service

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 4

A business analyst is drafting a risk assessment.

Which of the following components should be included in the draft? (Choose two.)

- A. Asset management
- B. Database type
- C. Encryption algorithms
- D. Certificate name
- E. Asset inventory
- F. Data classification

**Correct Answer:** AF

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 5**

Which of the following is a cloud service model that organizations use when their third-party ERP tool is provided as a complete service?

- A. Public cloud
- B. SaaS
- C. Hybrid cloud
- D. IaaS

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 6**

A cloud systems administrator needs to migrate several corporate applications to a public cloud provider and decommission the internal hosting environment. This migration must be completed by the end of the month. Because these applications are internally developed to meet specific business accounting needs, the administrator cannot use an alternative application.

Which of the following BEST describes the approach the administrator should use?

- A. Hybrid deployment
- B. Phased migration
- C. Lift and shift
- D. Rip and replace

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 7**

A cloud administrator suggested using spot instances to reduce cloud costs for part of a new cloud infrastructure.

Which of the following conditions must be addressed by the application that will run on these instances?

- A. The application needs to store data in a database.
- B. There is a restriction for distributed network communications.
- C. The application needs to handle unpredictable instance termination.
- D. Resource-intensive compute loads will be forbidden.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 8**

A company has defined a multicloud model.

Which of the following is the MOST important aspect to consider when defining the company's needs?

- A. Change management
- B. Data sovereignty
- C. Data portability
- D. Data classification

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 9**

A company wants to ensure its existing functionalities are not compromised by the addition of a new functionality.

Which of the following is the BEST testing technique?

- A. Regression
- B. Stress
- C. Load
- D. Quality

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 10**

A contract that defines the quality and performance metrics that are agreeable to both parties is called an:

- A. SOP.
- B. SOA.
- C. SOW.
- D. SLA.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 11**

Following a risk assessment, a company decides to adopt a multicloud strategy for its IT applications.

Which of the following is the company trying to avoid as part of its risk mitigation strategy?

- A. Geo-redundancy
- B. Vendor lock-in
- C. High availability
- D. Data sovereignty

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 12**

Which of the following BEST describes how a cloud provider helps a company with security risk responses?

- A. Acceptance
- B. Mitigation
- C. Avoidance
- D. Transference

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 13**

A human resources department is considering a SaaS-based human resources portal and requires a risk analysis.

Which of the following are requirements to consider? (Choose two.)

- A. Support
- B. Threats
- C. Chargebacks
- D. Vulnerabilities
- E. Maintenance
- F. Gap analysis

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 14**

A company is in its second year of a three-year agreement with a cloud vendor. After the initial phase of the cloud migration, resource consumption has stabilized.

Which of the following would help the company reduce the cost of infrastructure?

- A. Reserved instances
- B. Pay-as-you-go
- C. Spot instances
- D. Bring your own license

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 15**

A project manager must inform the Chief Information Officer (CIO) of the additional resources necessary to migrate services to the cloud successfully.

Which of the following cloud assessments would be MOST appropriate to use for the recommendation?

- A. Feasibility study
- B. Gap analysis
- C. Future requirements
- D. Baseline report

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 16**

Which of the following is commonly used to forecast market trends?

- A. Serverless computing
- B. Data warehouse
- C. Machine learning
- D. Accelerated computing

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 17**

A company has been running tests on a newly developed algorithm to increase the responsiveness of the application. The company's monthly bills for the testing have been much higher than expected.

Which of the following documents should the company examine FIRST?

- A. Memory report
- B. Compute report
- C. Network report
- D. Storage report

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 18**

Which of the following are true about the use of machine learning in a cloud environment? (Choose two).

- A. Specialized machine learning algorithms can be deployed to optimize results for specific scenarios.
- B. Machine learning can just be hosted in the cloud for managed services.
- C. Just one type of cloud storage is available in the cloud for machine learning workloads.
- D. Machine learning can leverage processes in a cloud environment through the use of cloud storage and auto-scaling.
- E. Machine learning requires a specialized IT team to create the machine learning models from scratch.
- F. Using machine learning solutions in the cloud removes the data-gathering step from the learning process.

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 19**

A company with critical resources in the cloud needs to ensure data is available in multiple datacenters around the world.

Which of the following BEST meets the company's needs?

- A. Auto-scaling
- B. Geo-redundancy
- C. Disaster recovery
- D. High availability

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 20**

Which of the following can be used by a client's finance department to identify the cost of cloud use in a public

cloud environment shared by different projects and departments?

- A. Reserved instances
- B. Service level agreement
- C. Resource tagging
- D. RFI from the CSP

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 21**

A company is migrating a legacy application to the cloud. Two C-level executives are currently engaged in the initial stages of the migration, and they are planning a rip-and-replace approach.

Before initiating the project, the FIRST step should be to identify:

- A. the required network performance.
- B. the key stakeholders.
- C. the desired CSP.
- D. the required cloud services.
- E. the required amount of storage.

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 22**

A company migrated all of its infrastructure to the cloud. The cloud security team must review the security post-migration.

Which of the following is the MOST appropriate task for the cloud security team to perform?

- A. Risk register
- B. Threat assessment
- C. Application scan
- D. Vulnerability scan

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 23**

A company wants to migrate mission-critical applications to the cloud. In order for technicians to build, decommission, and perform other routine functions, which of the following cloud characteristics would BEST satisfy this business requirement?



- A. Self-service
- B. Elasticity
- C. Broad network access
- D. Availability

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 24**

A company deploys a data management capability that reduces RPO. Which of the following BEST describes the capability needed?

- A. Locality
- B. Replication
- C. Portability
- D. Archiving

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 25**

A company is required to move its human resources application to the cloud to reduce capital expenses. The IT team does a feasibility analysis and learns the application requires legacy infrastructure and cannot be moved to the cloud.

Which of the following is the MOST appropriate cloud migration approach for the company?

- A. Lift and shift
- B. Hybrid
- C. Rip and replace
- D. In-place upgrade

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 26**

An IT team documented the procedure for upgrading an existing IT resource within the cloud. Which of the following BEST describes this procedure?

- A. Security procedure
- B. Incident management
- C. Change management
- D. Standard operating procedure

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 27**

A business analysis team is reviewing a report to try to determine the costs for a cloud application. The report does not allow separating costs by application.

Which of the following should the team use to BEST report on the costs of the specific cloud application?

- A. Right-sizing
- B. Content management
- C. Optimization
- D. Resource tagging

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 28**

A cloud administrator configures a server to insert an entry into a log file whenever an administrator logs in to the server remotely. Which of the following BEST describes the type of policy being used?

- A. Audit
- B. Authorization
- C. Hardening
- D. Access

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 29**

A company is migrating its e-commerce platform to a cloud service provider. The e-commerce site has a significant number of images. Which of the following is the BEST storage type for storing the images?

- A. Object
- B. Cold
- C. File
- D. Block

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 30**

A company has a perpetual license for a database application. Which of the following is the MOST cost-effective option when moving to the cloud?

- A. Fixed
- B. Subscription
- C. EULA
- D. BYOL

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 31**

Which of the following would BEST provide access to a Windows VDI?

- A. RDP
- B. VPN
- C. SSH
- D. HTTPS

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 32**

Which of the following technologies would help a game company prepare its cloud infrastructure to support a global distribution workload of a newly released online game? (Choose two.)

- A. Auto-scaling
- B. VDI
- C. Data portability
- D. CDN
- E. Templates
- F. Blockchain

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 33**

An organization plans to keep three of its cloud servers online for another nine months and a fourth server online for a year. The current pricing is \$200 per month per server. The cloud provider announced the sale price of \$1,500 per year per reserved instance.

Which of the following represents the cost savings by converting all four of the cloud servers to reserved instances?

- A. \$900
- B. \$1,800
- C. \$2,400
- D. \$3,600

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 34**

Which of the following types of risk is MOST likely to be associated with moving all data to one cloud provider?

- A. Vendor lock-in
- B. Data portability
- C. Network connectivity
- D. Data sovereignty

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 35**

A company's finance team is reporting increased cloud costs against the allocated cloud budget. Which of the following is the BEST approach to match some of the cloud operating costs with the appropriate departments?

- A. Right-sizing
- B. Scaling
- C. Chargeback
- D. Showback

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 36**

A new company directive requires all departments to ensure intellectual property is kept within a country's borders. Which of the following concepts BEST represents this requirement?

- A. Data portability
- B. Data security
- C. Data locality
- D. Data sovereignty

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**