

Exam Code: CLO-002

Exam Name: CompTIA Cloud Essentials+



Exam A

QUESTION 1

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:

QUESTION 2

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:

QUESTION 3

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:

QUESTION 4

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:

QUESTION 5

A company wants to process a batch job in a faster, cost-effective manner. Which of the following is the BEST solution?

- A. Implement right-sizing.
- B. Increase CPU usage.
- C. Utilize spot instances.
- D. Add storage.

Correct Answer: C

Section:

QUESTION 6

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:

QUESTION 7

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:

QUESTION 8

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:

QUESTION 9

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:

QUESTION 10

A small business is engaged with a cloud provider to migrate from on-premises CRM software. The contract includes fixed costs associated with the product. Which of the following variable costs must be considered?

- A. Time to market
- B. Operating expenditure fees
- C. BYOL costs
- D. Human capital

Correct Answer: D

Section:

QUESTION 11

A company is discontinuing its use of a cloud provider. Which of the following should the provider do to ensure there is no sensitive data stored in the company's cloud?

- A. Replicate the data.
- B. Encrypt the data.
- C. Lock in the data.
- D. Sanitize the data.

Correct Answer: D

Section:

QUESTION 12

An online retailer wants to ensure its inventory for the holiday season is correct. The company does not have a large IT infrastructure or staff to collect and analyze sales information, customer analytics, marketing information, or trends. Which of the following cloud services will help the company analyze these metrics without a large investment in human capital?

- A. Containerization
- B. Big Data
- C. Microservices
- D. Blockchain

Correct Answer: B

Section:



QUESTION 13

Which of the following is an example of outsourcing administration in the context of the cloud?

- A. Managed services
- B. Audit by a third party
- C. Community support
- D. Premium support

Correct Answer: A

Section:

QUESTION 14

A cloud systems administrator needs to log in to a remote Linux server that is hosted in a public cloud. Which of the following protocols will the administrator MOST likely use?

- A. HTTPS
- B. RDP
- C. Secure Shell
- D. Virtual network computing

Correct Answer: C

Section:

QUESTION 15

Which of the following is the cloud storage technology that would allow a company with 12 nearly identical servers to have the SMALLEST storage footprint?

- A. Capacity on demand
- B. Compression
- C. Software-defined storage
- D. Deduplication

Correct Answer: C

Section:

QUESTION 16

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:

QUESTION 17

A vendor stipulates it will provide incident response within two hours of a severity level A incident.

Which of the following does this describe?

- A. Maintenance agreement
- B. Managed service agreement
- C. Operating level agreement
- D. Service level agreement

Correct Answer: D

Section:

QUESTION 18

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

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

Correct Answer: A

Section:

QUESTION 19

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: A, D

Section:

QUESTION 20

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:

QUESTION 21



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:

QUESTION 22

When selecting a cloud provider, which of the following is MOST likely to be a financial consideration?

- A. Proof of concept
- B. Request for information
- C. Licensing models
- D. Request for proposal

Correct Answer: C

Section:

QUESTION 23

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:

QUESTION 24

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:

QUESTION 25

Which of the following techniques helps an organization determine benchmarks for application performance within a set of resources?

- A. Auto-scaling



- B. Load testing
- C. Sandboxing
- D. Regression testing

Correct Answer: B

Section:

QUESTION 26

An incident response team requires documentation for an email phishing campaign against a company's email server. Which of the following is the BEST resource to use to start the investigation?

- A. Audit and system logs
- B. Change management procedures
- C. Departmental policies
- D. Standard operating procedures

Correct Answer: A

Section:

QUESTION 27

A startup company wants to use a CRM application to manage its sales and support organizations. The company does not have any IT staff. Which of the following cloud computing models is MOST appropriate for this company to use?

- A. CaaS
- B. PaaS
- C. IaaS
- D. SaaS



Correct Answer: D

Section:

QUESTION 28

A manufacturing company is selecting applications for a cloud migration. The company's main concern relates to the ERP system, which needs to receive data from multiple industrial systems to generate the executive reports. Which of the following will provide the details needed for the company's decision regarding the cloud migration?

- A. Standard operating procedures
- B. Feasibility studies
- C. Statement of work
- D. Benchmarks

Correct Answer: B

Section:

QUESTION 29

Which of the following BEST explains why there should be an established communication policy between CSPs and clients?

- A. To set guidelines for securing network traffic for all communications with endpoints on the corporate local area network
- B. To ensure all staff know the acceptable guidelines for representing themselves on social media.

- C. To have protocols in place for notifying staff when a cloud outage occurs.
- D. To have proper procedures in place for interactions between internal departments and cloud vendors submitting bids for software or service.

Correct Answer: C

Section:

QUESTION 30

Which of the following documents has the sole purpose of outlining a professional services engagement that governs a proposed cloud migration?

- A. Gap analysis
- B. Statement of work
- C. Feasibility study
- D. Service level agreement

Correct Answer: D

Section:

QUESTION 31

Which of the following explains why a cloud provider would establish and publish a format data sanitization policy for its clients?

- A. To establish guidelines for how the provider will cleanse any data being imported during a cloud migration
- B. To be transparent about how the CSP will handle malware infections that may impact systems housing client data
- C. To provide a value add for clients that will assist in cleansing records at no additional charge
- D. To ensure clients feel comfortable about the handling of any leftover data after termination of the contract

Correct Answer: D

Section:

QUESTION 32

Which of the following is true about the use of technologies such as JSON and XML for cloud data interchange and automation tasks?

- A. It can cause cloud vendor lock-in
- B. The company needs to define a specific programming language for cloud management.
- C. The same message format can be used across different cloud platforms.
- D. It is considered an unsafe format of communication.

Correct Answer: C

Section:

QUESTION 33

Which of the following deployment models includes application components on a company's network as well as on the Internet?

- A. Private
- B. Public
- C. Community
- D. Hybrid

Correct Answer: D

Section:

QUESTION 34

Monthly cloud service costs are BEST described as:

- A. operating expenditures.
- B. fixed expenditures.
- C. capital expenditures.
- D. personnel expenditures.

Correct Answer: A

Section:

QUESTION 35

An architect recently discovered new opportunities the cloud can provide to the company. A business analyst is currently working with the architect to document the business use-case scenarios. Which of the following should be the architect's NEXT step?

- A. Initialize a PoC.
- B. Conduct a feasibility study.
- C. Perform a gap analysis.
- D. Gather cloud requirements.

Correct Answer: A

Section:

QUESTION 36

Which of the following cloud migration methods would take full advantage of the cloud computing model?

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

Correct Answer: D

Section:

QUESTION 37

A company hired a DevOps engineer to move business systems to the cloud. The current systems administrator does not have scripting experience and has been deploying servers manually. Which of the following would BEST optimize this process?

- A. Infrastructure as code deployment model
- B. API integration to a cloud provider
- C. Load testing
- D. Continuous delivery/continuous integration

Correct Answer: A



Section:

QUESTION 38

A startup company that provides streaming media services is considering a new CSP. The company sees an average volume of 5000TB daily and high QoS. It has received the following bids:

CSP	VM cost (per hour)	Network cost (per GB in/out)	Backup cost (per backup)	Storage cost (per GB)
Provider 1	\$12.00	\$0.10	\$25.00	\$0.50
Provider 2	\$6.00	\$15.00	\$10.00	\$5.00
Provider 3	\$8.00	\$20.00	\$20.00	\$5.00
Provider 4	\$14.00	\$0.75	\$1.00	\$0.75

Based on the information above, which of the following CSPs offers the MOST cost-effective solution for streaming?

- A. Provider 1
- B. Provider 2
- C. Provider 3
- D. Provider 4

Correct Answer: A

Section:

QUESTION 39

A company is planning to use cloud computing to extend the compute resources that will run a new resource-intensive application. A direct deployment to the cloud would cause unexpected billing. Which of the following must be generated while the application is running on-premises to predict the cloud budget for this project better?

- A. Proof of concept
- B. Benchmark
- C. Baseline
- D. Feasibility study



Correct Answer: C

Section:

QUESTION 40

A cloud service provider is marketing its new PaaS offering to potential clients. Which of the following companies would MOST likely be interested?

- A. A company specializing in application development
- B. A company with many legacy applications
- C. A company with proprietary systems
- D. A company that outsources support of its IT systems

Correct Answer: A

Section:

QUESTION 41

A software developer wants to ensure a packaged application can be deployed in different environments without modifying anything but the application settings. The developer creates an image and provides instructions for the systems administrator to use for deployment. This is an example of:

- A. application versioning.
- B. source code control.

- C. containerization.
- D. deployment automation.

Correct Answer: B

Section:

QUESTION 42

Which of the following is used to build and manage interconnections between cloud resources within the same cloud environment?

- A. Firewall
- B. Software-defined network
- C. Virtual private network
- D. Direct Connect

Correct Answer: A

Section:

QUESTION 43

Which of the following allows an IP address to be referenced via an easily remembered name for a SaaS application?

- A. DNS
- B. CDN
- C. VPN
- D. WAN

Correct Answer: A

Section:

QUESTION 44

A business analyst is examining a report and notices compute costs are very high for four cloud-based, load-balanced virtual machines hosting an application. The application will be in use for at least two more years, but there are no developers available to help optimize it. Which of the following should the analyst recommend to BEST reduce costs without impacting performance?

- A. Decommission a virtual machine.
- B. Change to a pay-as-you-go plan.
- C. Convert the application to a SaaS solution.
- D. Switch the virtual machines to reserved instances.

Correct Answer: C

Section:

QUESTION 45

A project manager is interested in the notification process a CSP follows after discovering a breach of customer data. Which of the following is MOST likely to provide the necessary information?

- A. Communication plans
- B. Incident response policy
- C. Service level agreement
- D. Access controls



Correct Answer: A

Section:

QUESTION 46

A company is evaluating the capital expenditure necessary to modernize its on-premises datacenter. Management has directed that 50% of capital expenditure be reallocated to operating expenditure. Which of the following cloud characteristics applies?

- A. BYOL
- B. Billing chargeback
- C. Pay-as-you-go
- D. High availability

Correct Answer: C

Section:

QUESTION 47

A Chief Information Officer (CIO) wants to identify two business units to be pilots for a new cloud project. A business analyst who was recently assigned to this project will be selecting a cloud provider. Which of the following should the business analyst do FIRST?

- A. Conduct a feasibility study of the environment.
- B. Conduct a benchmark of all major systems.
- C. Draw a matrix diagram of the capabilities of the cloud providers.
- D. Gather business and technical requirements for key stakeholders.

Correct Answer: D

Section:

QUESTION 48

In a DevOps environment there is a requirement to start building application solutions in an efficient manner without any dependent components. Which of the following should a DevOps engineer do to meet these requirements?

- A. Build the applications in QA, and then enable resource tagging.
- B. Build the applications in QA, and then clone and deploy them in production.
- C. Use templates for building the applications.
- D. Use templates and enable auto-scaling.

Correct Answer: D

Section:

QUESTION 49

Which of the following are considered secure access types of hosts in the cloud? (Choose two.)

- A. HTTPS
- B. HTTP
- C. SSH
- D. Telnet
- E. RDP



F. FTP

Correct Answer: A, C

Section:

