



# CompTIA

## Exam Questions CV0-003

CompTIA Cloud+ Certification Exam

#### NEW QUESTION 1

In an existing IaaS instance, it is required to deploy a single application that has different versions. Which of the following should be recommended to meet this requirement?

- A. Deploy using containers
- B. Install a Type 2 hypervisor
- C. Enable SR-IOV on the host
- D. Create snapshots

**Answer:** A

#### NEW QUESTION 2

A company recently experienced a power outage that lasted 30 minutes. During this time, a whole rack of servers was inaccessible, even though the servers did not lose power.

Which of the following should be investigated FIRST?

- A. Server power
- B. Rack power
- C. Switch power
- D. SAN power

**Answer:** C

#### NEW QUESTION 3

A cloud administrator has finished setting up an application that will use RDP to connect. During testing, users experience a connection timeout error.

Which of the following will MOST likely solve the issue?

- A. Checking user passwords
- B. Configuring QoS rules
- C. Enforcing TLS authentication
- D. Opening TCP port 3389

**Answer:** D

#### NEW QUESTION 4

An organization is developing a new solution for hosting an external website. The systems administrator needs the ability to manage the OS. Which of the following methods would be MOST suitable to achieve this objective?

- A. Deploy web servers into an IaaS provider.
- B. Implement a cloud-based VDI solution.
- C. Provision web servers in a container environment.
- D. Use PaaS components in the cloud to implement the product.

**Answer:** C

#### NEW QUESTION 5

A systems administrator needs to configure SSO authentication in a hybrid cloud environment. Which of the following is the BEST technique to use?

- A. Access controls
- B. Federation
- C. Multifactor authentication
- D. Certificate authentication

**Answer:** C

#### NEW QUESTION 6

A cloud administrator is switching hosting companies and using the same script that was previously used to deploy VMs in the new cloud. The script is returning errors that the command was not found.

Which of the following is the MOST likely cause of the script failure?

- A. Account mismatches
- B. IP address changes
- C. API version incompatibility
- D. Server name changes

**Answer:** D

#### NEW QUESTION 7

A systems administrator needs to configure an email client to ensure data integrity of the email messages. Which of the following provides the BEST mechanism to achieve this goal?

- A. Cyclic redundancy check
- B. SHA-1 hashes
- C. SHA-256 hashes
- D. Digital signature

**Answer:** A

#### NEW QUESTION 8

An organization has the following requirements that need to be met when implementing cloud services:

On-premises directory service  
RBAC for IT staff  
SSO to cloud infrastructure  
Which of the following cloud models would meet these requirements?

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

**Answer:** C

#### NEW QUESTION 9

A systems administrator is deploying a VM and would like to minimize storage utilization by ensuring the VM uses only the storage if needs. Which of the following will BEST achieve this goal?

- A. Compression
- B. Deduplication
- C. RAID
- D. Thin provisioning

**Answer:** D

#### NEW QUESTION 10

A company that utilizes an IaaS service provider has contracted with a vendor to perform a penetration test on its environment. The vendor is able to exploit the virtualization layer and obtain access to other instances within the cloud provider's environment that do not belong to the company. Which of the following BEST describes this attack?

- A. VM escape
- B. Directory traversal
- C. Buffer overflow
- D. Heap spraying

**Answer:** A

#### NEW QUESTION 10

A cloud architect wants to minimize the risk of having systems administrators in an IaaS compute instance perform application code changes. The development group should be the only group allowed to modify files in the directory. Which of the following will accomplish the desired objective?

- A. Remove the file write permissions for the application service account.
- B. Restrict the file write permissions to the development group only.
- C. Add access to the fileshare for the systems administrator's group.
- D. Deny access to all development user accounts

**Answer:** B

#### NEW QUESTION 11

A systems administrator for an e-commerce company will be migrating the company's main website to a cloud provider. The principal requirement is that the website must be highly available. Which of the following will BEST address this requirement?

- A. Vertical scaling
- B. A server cluster
- C. Redundant switches
- D. A next-generation firewall

**Answer:** A

#### NEW QUESTION 13

Which of the following cloud services is fully managed?

- A. IaaS
- B. GPU in the cloud
- C. IoT
- D. Serverless compute
- E. SaaS

**Answer:** C

#### NEW QUESTION 15

An organization is required to set a custom registry key on the guest operating system. Which of the following should the organization implement to facilitate this requirement?

- A. A configuration management solution
- B. A log and event monitoring solution
- C. A file integrity check solution
- D. An operating system ACL

**Answer:** A

#### NEW QUESTION 17

A marketing team is using a SaaS-based service to send emails to large groups of potential customers. The internally managed CRM system is configured to generate a list of target customers automatically on a weekly basis, and then use that list to send emails to each customer as part of a marketing campaign. Last week, the first email campaign sent emails successfully to 3,000 potential customers. This week, the email campaign attempted to send out 50,000 emails, but only 10,000 were sent.

Which of the following is the MOST likely reason for not sending all the emails?

- A. API request limit
- B. Incorrect billing account
- C. Misconfigured auto-scaling
- D. Bandwidth limitation

**Answer:** A

#### NEW QUESTION 20

A media company has made the decision to migrate a physical, internal file server to the cloud and use a web-based interface to access and manage the files. The users must be able to use their current corporate logins.

Which of the following is the MOST efficient way to achieve this goal?

- A. Deploy a VM in a cloud, attach storage, and copy the files across
- B. Use a SaaS service with a directory service federation
- C. Deploy a fileshare in a public cloud and copy the files across
- D. Copy the files to the object storage location in a public cloud

**Answer:** C

#### NEW QUESTION 25

A cloud administrator is reviewing the authentication and authorization mechanism implemented within the cloud environment. Upon review, the administrator discovers the sales group is part of the finance group, and the sales team members can access the financial application. Single sign-on is also implemented, which makes access much easier.

Which of the following access control rules should be changed?

- A. Discretionary-based
- B. Attribute-based
- C. Mandatory-based
- D. Role-based

**Answer:** D

#### NEW QUESTION 28

An IaaS application has a two-hour RTO and a four-hour RPO. The application takes one hour to back up its data or restore from a local backup file. A systems administrator is tasked with configuring the backup policy.

Which of the following should the administrator configure to achieve the application requirements with the LEAST cost?

- A. Back up to long-term storage every night
- B. Back up to object storage every three hours
- C. Back up to long-term storage every four hours
- D. Back up to object storage every hour

**Answer:** D

#### NEW QUESTION 29

A resource pool in a cloud tenant has 90 GB of memory and 120 cores. The cloud administrator needs to maintain a 30% buffer for resources for optimal performance of the hypervisor. Which of the following would allow for the maximum number of two-core machines with equal memory?

- A. 30 VMs, 3GB of memory

- B. 40 VMs, 1,5GB of memory
- C. 45 VMs, 2 GB of memory
- D. 60 VMs, 1 GB of memory

**Answer:** D

#### NEW QUESTION 34

Company A has acquired Company B and is in the process of integrating their cloud resources. Company B needs access to Company A's cloud resources while retaining its IAM solution. Which of the following should be implemented?

- A. Multifactor authentication
- B. Single sign-on
- C. Identity federation
- D. Directory service

**Answer:** C

#### NEW QUESTION 39

A systems administrator is analyzing a report of slow performance in a cloud application. This application is working behind a network load balancer with two VMs, and each VM has its own digital certificate configured. Currently, each VM is consuming 85% CPU on average. Due to cost restrictions, the administrator cannot scale vertically or horizontally in the environment. Which of the following actions should the administrator take to decrease the CPU utilization? (Choose two.)

- A. Configure the communication between the load balancer and the VMs to use a VPN.
- B. Move the digital certificate to the load balancer.
- C. Configure the communication between the load balancer and the VMs to use HTTP.
- D. Reissue digital certificates on the VMs.
- E. Configure the communication between the load balancer and the VMs to use HTTPS.
- F. Keep the digital certificates on the VMs.

**Answer:** BE

#### NEW QUESTION 41

A systems administrator disabled TLS 1.0 and 1.1, as well as RC4, 3DES, and AES-128 ciphers for TLS 1.2, on a web server. A client now reports being unable to access the web server, but the administrator verifies that the server is online, the web service is running, and other users can reach the server as well. Which of the following should the administrator recommend the user do FIRST?

- A. Disable antivirus/anti-malware software
- B. Turn off the software firewall
- C. Establish a VPN tunnel between the computer and the web server
- D. Update the web browser to the latest version

**Answer:** D

#### NEW QUESTION 44

A web server has been deployed in a public IaaS provider and has been assigned the public IP address of 72.135.10.100. Users are now reporting that when they browse to the website, they receive a message indicating the service is unavailable. The cloud administrator logs into the server, runs a netstat command, and notices the following relevant output:

Which of the following actions should the cloud administrator take to resolve the issue?

- A. Assign a new IP address of 192.168.100.10 to the web server
- B. Modify the firewall on 72.135.10.100 to allow only UDP
- C. Configure the WAF to filter requests from 17.3.130.3
- D. Update the gateway on the web server to use 72.135.10.1

**Answer:** D

#### NEW QUESTION 49

An organization purchased new servers with GPUs for render farms. The servers have limited CPU resources. Which of the following GPU configurations will be the MOST optimal for virtualizing this environment?

- A. Dedicated
- B. Shared
- C. Passthrough
- D. vGPU

**Answer:** D

#### NEW QUESTION 52

A company wants to check its infrastructure and application for security issues regularly. Which of the following should the company implement?

- A. Performance testing
- B. Penetration testing
- C. Vulnerability testing
- D. Regression testing

**Answer:** C

#### NEW QUESTION 53

A systems administrator recently deployed a VDI solution in a cloud environment; however, users are now experiencing poor rendering performance when trying to display 3-D content on their virtual desktops, especially at peak times.

Which of the following actions will MOST likely solve this issue?

- A. Update the quest graphics drivers from the official repository
- B. Add more vGPU licenses to the host
- C. Instruct users to access virtual workstations only on the VLAN
- D. Select vGPU profiles with higher video RAM

**Answer:** D

#### NEW QUESTION 56

The security team for a large corporation is investigating a data breach. The team members are all trying to do the same tasks but are interfering with each other's work.

Which of the following did the team MOST likely forget to implement?

- A. Incident type categories
- B. A calling tree
- C. Change management
- D. Roles and responsibilities

**Answer:** D

#### NEW QUESTION 60

A systems administrator needs to configure a set of policies to protect the data to comply with mandatory regulations.

Which of the following should the administrator implement to ensure DLP efficiently prevents the exposure of sensitive data in a cloud environment?

- A. Integrity
- B. Versioning
- C. Classification
- D. Segmentation

**Answer:** A

#### NEW QUESTION 64

A company wants to implement business continuity, and the cloud solution architect needs to design the correct solution.

Which of the following will provide the data to measure business continuity? (Choose two.)

- A. A service-level agreement
- B. Automation scripts
- C. Playbooks
- D. A network diagram
- E. A backup and restore
- F. A recovery time objective

**Answer:** AF

#### NEW QUESTION 67

The human resources department was charged for a cloud service that belongs to another department. All other cloud costs seem to be correct.

Which of the following is the MOST likely cause for this error?

- A. Misconfigured templates
- B. Misconfigured chargeback
- C. Incorrect security groups
- D. Misconfigured tags

**Answer:** A

#### NEW QUESTION 71

Which of the following strategies will mitigate the risk of a zero-day vulnerability MOST efficiently?

- A. Using only open-source technologies
- B. Keeping all resources up to date
- C. Creating a standby environment with a different cloud provider
- D. Having a detailed incident response plan

**Answer:** D

#### NEW QUESTION 72

After a hardware upgrade on a private cloud system, the systems administrator notices a considerable drop in network performance. Which of the following is MOST likely the cause?



- A. The driver
- B. The memory
- C. The cluster placement
- D. The CPU

**Answer:** C

#### NEW QUESTION 75

A SAN that holds VM files is running out of storage space.

Which of the following will BEST increase the amount of effective storage on the SAN?

- A. Enable encryption
- B. Increase IOPS
- C. Convert the SAN from RAID 50 to RAID 60
- D. Configure deduplication

**Answer:** D

#### NEW QUESTION 79

A systems administrator has migrated an internal application to a public cloud. The new web server is running under a TLS connection and has the same TLS certificate as the internal application that is deployed. However, the IT department reports that only internal users who are using new versions of the OSs are able to load the application home page.

Which of the following is the MOST likely cause of the issue?

- A. The local firewall from older OSs is not allowing outbound connections
- B. The local firewall from older OSs is not allowing inbound connections
- C. The cloud web server is using a self-signed certificate that is not supported by older browsers
- D. The cloud web server is using strong ciphers that are not supported by older browsers

**Answer:** C

#### NEW QUESTION 84

A cloud administrator is designing a multiregion network within an IaaS provider. The business requirements for configuring the network are as follows:

Use private networking in and between the multisites for data replication.

Use low latency to avoid performance issues.

Which of the following solutions should the network administrator use within the IaaS provider to connect multiregions?

- A. Peering
- B. Gateways
- C. VPN
- D. Hub and spoke

**Answer:** C

#### NEW QUESTION 85

A systems administrator is provisioning VMs in a cloud environment and has been told to select an OS build with the furthest end-of-life date.

Which of the following OS builds would be BEST for the systems administrator to use?

- A. Open-source
- B. LTS
- C. Canary
- D. Beta
- E. Stable

**Answer:** E

#### NEW QUESTION 87

A systems administrator wants the VMs on the hypervisor to share CPU resources on the same core when feasible.

Which of the following will BEST achieve this goal?

- A. Configure CPU passthrough
- B. Oversubscribe CPU resources
- C. Switch from a Type 1 to a Type 2 hypervisor
- D. Increase instructions per cycle
- E. Enable simultaneous multithreading

**Answer:** B

#### NEW QUESTION 89

A cloud administrator is building a new VM for a network security appliance. The security appliance installer says the CPU clock speed does not meet the requirements.

Which of the following will MOST likely solve the issue?

- A. Move the VM to a host with a faster CPU
- B. Add more vCPUs to the VM
- C. Enable CPU masking on the VM
- D. Enable hyperthreading on the virtual host

**Answer: D**

#### NEW QUESTION 93

A systems administrator swapped a failed hard drive on a server with a RAID 5 array. During the RAID resynchronization, a second hard drive failed. Which of the following actions will make the server fully operational?

- A. Restart the RAID resynchronization process
- B. Perform a P2V migration of the server
- C. Swap the failed hard drive with a fresh one
- D. Restore the server from backup

**Answer: A**

#### NEW QUESTION 98

An organization is implementing a new requirement to facilitate users with faster downloads of corporate application content. At the same time, the organization is also expanding cloud regions.

Which of the following would be suitable to optimize the network for this requirement?

- A. Implement CDN for overall cloud application
- B. Implement auto-scaling of the compute resources
- C. Implement SR-IOV on the server instances
- D. Implement an application container solution

**Answer: C**

#### NEW QUESTION 102

A company is doing a cloud-to-cloud migration to lower costs. A systems administrator has to plan the migration accordingly. Which of the following considerations is MOST important for a successful, future-proof, and low-cost migration?

- A. Tier pricing
- B. Licensing
- C. Estimated consumption
- D. Feature compatibility

**Answer: D**

#### NEW QUESTION 107

A company has an in-house-developed application. The administrator wants to utilize cloud services for additional peak usage workloads. The application has a very unique stack of dependencies. Which of the following cloud service subscription types would BEST meet these requirements?

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

**Answer: D**

#### NEW QUESTION 109

A software development manager is looking for a solution that will allow a team of developers to work in isolated environments that can be spun up and torn down quickly.

Which of the following is the MOST appropriate solution?

- A. Containers
- B. File subscriptions
- C. Ballooning
- D. Software-defined storage

**Answer: A**

#### NEW QUESTION 114

After analyzing a web server's logs, a systems administrator sees that users are connecting to the company's application through HTTP instead of HTTPS. The administrator then configures a redirect from HTTP to HTTPS on the web server, and the application responds with a connection time-out message.

Which of the following should the administrator verify NEXT?

- A. The TLS certificate
- B. The firewall rules
- C. The concurrent connection limit
- D. The folder permissions

**Answer: A**

#### NEW QUESTION 119

An OS administrator is reporting slow storage throughput on a few VMs in a private IaaS cloud. Performance graphs on the host show no increase in CPU or memory. However, performance graphs on the storage show a decrease of throughput in both IOPS and MBps but not much increase in latency. There is no increase in workload, and latency is stable on the NFS storage arrays that are used by those VMs.



Which of the following should be verified NEXT?

- A. Application
- B. SAN
- C. VM GPU settings
- D. Network

**Answer:** D

#### NEW QUESTION 120

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