



# 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

Users of an enterprise application, which is configured to use SSO, are experiencing slow connection times. Which of the following should be done to troubleshoot the issue?

- A. • Perform a memory dump of the OS. • Analyze the memory dump. • Upgrade the host CPU to a higher clock speed CPU.
- B. • Perform a packet capture during authentication. • Validate the load-balancing configuration. • Analyze the network throughput of the load balancer.
- C. • Analyze the storage system IOPS. • Increase the storage system capacity. • Replace the storage system disks to SSD.
- D. • Evaluate the OS ACLs. • Upgrade the router firmware. • Increase the memory of the router.

**Answer:** C

#### NEW QUESTION 4

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 5

A DevOps administrator is automating an existing software development workflow. The administrator wants to ensure that prior to any new code going into production, tests confirm the new code does not negatively impact existing automation activities.

Which of the following testing techniques would be BEST to use?

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

**Answer:** B

#### 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

An SQL injection vulnerability was reported on a web application, and the cloud platform team needs to mitigate the vulnerability while it is corrected by the development team.

Which of the following controls will BEST mitigate the risk of exploitation?

- A. DLP

- B. HIDS
- C. NAC
- D. WAF

**Answer:** B

#### NEW QUESTION 8

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 9

A cloud administrator checked out the deployment scripts used to deploy the sandbox environment to a public cloud provider. The administrator modified the script to add an application load balancer in front of the web-based front-end application. The administrator next used the script to recreate a new sandbox environment successfully, and the application was then using the new load balancer.

The following week, a new update was required to add more front-end servers to the sandbox environment. A second administrator made the necessary changes and checked out the deployment scripts. The second administrator then ran the script, but the application load balancer was missing from the new deployment. Which of the following is the MOST likely reason for this issue?

- A. The license limit on the number of server deployments allowed per month was exceeded
- B. The deployment script changes made by the first administrator were not checked in and committed
- C. The new server images were incompatible with the application load-balancer configuration
- D. The application load balancer exceeded the maximum number of servers it could use

**Answer:** B

#### NEW QUESTION 10

Which of the following will mitigate the risk of users who have access to an instance modifying the system configurations?

- A. Implement whole-disk encryption
- B. Deploy the latest OS patches
- C. Deploy an anti-malware solution
- D. Implement mandatory access control

**Answer:** D

#### NEW QUESTION 10

An organization will be deploying a web application in a public cloud with two web servers, two database servers, and a load balancer that is accessible over a single public IP.

Taking into account the gateway for this subnet and the potential to add two more web servers, which of the following will meet the minimum IP requirement?

- A. 192.168.1.0/26
- B. 192.168.1.0/27
- C. 192.168.1.0/28
- D. 192.168.1.0/29

**Answer:** B

#### NEW QUESTION 12

An update is being deployed to a web application, and a systems administrator notices the cloud SQL database has stopped running. The VM is responding to pings, and there were not any configuration changes scheduled for the VM. Which of the following should the administrator check NEXT?

- A. Logs on the VM
- B. Firewall on the VM
- C. Memory on the VM
- D. vGPU performance on the VM

**Answer:** A

#### NEW QUESTION 15

A systems administrator is creating a VM and wants to ensure disk space is not allocated to the VM until it is needed. Which of the following techniques should the administrator use to ensure?

- A. Deduplication
- B. Thin provisioning
- C. Software-defined storage
- D. iSCSI storage

**Answer:** B

#### NEW QUESTION 18

A company has deployed a new cloud solution and is required to meet security compliance. Which of the following will MOST likely be executed in the cloud solution to meet security requirements?

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

**Answer: C**

#### NEW QUESTION 19

A storage array that is used exclusively for datastores is being decommissioned, and a new array has been installed. Now the private cloud administrator needs to migrate the data. Which of the following migration methods would be the BEST to use?

- A. Conduct a V2V migration
- B. Perform a storage live migration
- C. Rsync the data between arrays
- D. Use a storage vendor migration appliance

**Answer: D**

#### NEW QUESTION 24

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 25

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 27

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 30

A private IaaS administrator is receiving reports that all newly provisioned Linux VMs are running an earlier version of the OS than they should be. The administrator reviews the automation scripts to troubleshoot the issue and determines the scripts ran successfully. Which of the following is the MOST likely cause of the issue?

- A. API version incompatibility
- B. Misconfigured script account
- C. Wrong template selection
- D. Incorrect provisioning script indentation

**Answer: C**

#### NEW QUESTION 31

A systems administrator in a large enterprise needs to alter the configuration of one of the finance department's database servers. Which of the following should the administrator perform FIRST?

- A. Capacity planning
- B. Change management
- C. Backups

D. Patching

**Answer: C**

#### NEW QUESTION 32

A systems administrator is troubleshooting network throughput issues following a deployment. The network is currently being overwhelmed by the amount of traffic between the database and the web servers in the environment.

Which of the following should the administrator do to resolve this issue?

- A. Set up affinity rules to keep web and database servers on the same hypervisor
- B. Enable jumbo frames on the gateway
- C. Move the web and database servers onto the same VXLAN
- D. Move the servers onto thick-provisioned storage

**Answer: B**

#### NEW QUESTION 33

A systems administrator is trying to establish an RDP session from a desktop to a server in the cloud. However, the connection appears to be refused even though the VM is responding to ICMP echo requests. Which of the following should the administrator check FIRST?

- A. The firewall
- B. The subnet
- C. The gateway
- D. The services

**Answer: D**

#### NEW QUESTION 36

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 38

A company has developed a cloud-ready application. Before deployment, an administrator needs to select a deployment technology that provides a high level of portability and is lightweight in terms of footprint and resource requirements.

Which of the following solutions will be BEST to help the administrator achieve the requirements?

- A. Containers
- B. Infrastructure as code
- C. Desktop virtualization
- D. Virtual machines

**Answer: A**

#### NEW QUESTION 40

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 43

A global web-hosting company is concerned about the availability of its platform during an upcoming event. Web traffic is forecasted to increase substantially during the next week. The site contains mainly static content.

Which of the following solutions will assist with the increased workload?

- A. DoH
- B. WAF
- C. IPS
- D. CDN

**Answer: D**

#### NEW QUESTION 46

A company has a cloud infrastructure service, and the cloud architect needs to set up a DR site. Which of the following should be configured in between the cloud environment and the DR site?

- A. Failback
- B. Playbook
- C. Zoning
- D. Replication

**Answer:** D

#### NEW QUESTION 47

A company is planning to migrate applications to a public cloud, and the Chief Information Officer (CIO) would like to know the cost per business unit for the applications in the cloud. Before the migration, which of the following should the administrator implement FIRST to assist with reporting the cost for each business unit?

- A. An SLA report
- B. Tagging
- C. Quotas
- D. Showback

**Answer:** D

#### NEW QUESTION 51

A company is currently running a website on site. However, because of a business requirement to reduce current RTO from 12 hours to one hour, and the RPO from one day to eight hours, the company is considering operating in a hybrid environment. The website uses mostly static files and a small relational database. Which of the following should the cloud architect implement to achieve the objective at the LOWEST cost possible?

- A. Implement a load-balanced environment in the cloud that is equivalent to the current on-premises setup and use DNS to shift the load from on premises to cloud.
- B. Implement backups to cloud storage and infrastructure as code to provision the environment automatically when the on-premises site is down
- C. Restore the data from the backups.
- D. Implement a website replica in the cloud with auto-scaling using the smallest possible footprint
- E. Use DNS to shift the load from on premises to the cloud.
- F. Implement a CDN that caches all requests with a higher TTL and deploy the IaaS instances manually in case of disaster
- G. Upload the backup on demand to the cloud to restore on the new instances.

**Answer:** B

#### NEW QUESTION 54

A systems administrator is building a new virtualization cluster. The cluster consists of five virtual hosts, which each have flash and spinning disks. This storage is shared among all the virtual hosts, where a virtual machine running on one host may store data on another host. This is an example of:

- A. a storage area network
- B. a network file system
- C. hyperconverged storage
- D. thick-provisioned disks

**Answer:** A

#### NEW QUESTION 55

After accidentally uploading a password for an IAM user in plain text, which of the following should a cloud administrator do FIRST? (Choose two.)

- A. Identify the resources that are accessible to the affected IAM user
- B. Remove the published plain-text password
- C. Notify users that a data breach has occurred
- D. Change the affected IAM user's password
- E. Delete the affected IAM user

**Answer:** BD

#### NEW QUESTION 59

A cloud administrator recently noticed that a number of files stored at a SaaS provider's file-sharing service were deleted. As part of the root cause analysis, the administrator noticed the parent folder permissions were modified last week. The administrator then used a test user account and determined the permissions on the files allowed everyone to have write access.

Which of the following is the best step for the administrator to take NEXT?

- A. Identify the changes to the file-sharing service and document
- B. Acquire a third-party DLP solution to implement and manage access
- C. Test the current access permissions to the file-sharing service
- D. Define and configure the proper permissions for the file-sharing service

**Answer:** D

#### NEW QUESTION 61

A system administrator is migrating a bare-metal server to the cloud. Which of the following types of migration should the systems administrator perform to accomplish this task?

- A. V2V
- B. V2P
- C. P2P
- D. P2V



**Answer:** D

**NEW QUESTION 66**

A cloud engineer is responsible for managing a public cloud environment. There is currently one virtual network that is used to host the servers in the cloud environment. The environment is rapidly growing, and the network does not have any more available IP addresses. Which of the following should the engineer do to accommodate additional servers in this environment?

- A. Create a VPC and peer the networks.
- B. Implement dynamic routing.
- C. Enable DHCP on the networks.
- D. Obtain a new IPAM subscription.

**Answer:** A

**NEW QUESTION 69**

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 72**

A VDI administrator has received reports of poor application performance. Which of the following should the administrator troubleshoot FIRST?

- A. The network environment
- B. Container resources
- C. Client devices
- D. Server resources

**Answer:** D

**NEW QUESTION 77**

A company is utilizing a private cloud solution that is hosted within its datacenter. The company wants to launch a new business application, which requires the resources below:

Maximum concurrent sessions	Number of nodes required	Required per-node vCPU	Required per-node RAM
1,000	2	4	32
5,000	4	6	64
10,000	6	8	64
25,000	8	8	128

The current private cloud has 30 vCPUs and 512GB RAM available. The company is looking for a quick solution to launch this application, with expected maximum sessions to be close to 24,000 at launch and an average of approximately 5,000 sessions.

Which of the following solutions would help the company accommodate the new workload in the SHORTEST amount of time and with the maximum financial benefits?

- A. Configure auto-scaling within the private cloud
- B. Set up cloud bursting for the additional resources
- C. Migrate all workloads to a public cloud provider
- D. Add more capacity to the private cloud

**Answer:** D

**NEW QUESTION 80**

A company recently subscribed to a SaaS collaboration service for its business users. The company also has an on-premises collaboration solution and would like users to have a seamless experience regardless of the collaboration solution being used. Which of the following should the administrator implement?

- A. LDAP
- B. WAF
- C. VDI
- D. SSO

**Answer:** A

**NEW QUESTION 85**

A systems administrator is deploying a GPU-accelerated VDI solution. Upon requests from several users, the administrator installs an older version of the OS on their virtual workstations. The majority of the VMs run the latest LTS version of the OS.

Which of the following types of drivers will MOST likely ensure compatibility with all virtual workstations?

- A. Alternative community drivers
- B. Legacy drivers
- C. The latest drivers from the vendor's website
- D. The drivers from the OS repository

**Answer:** C

**NEW QUESTION 88**

A systems administrator is configuring network management but is concerned about confidentiality. Which of the following should the administrator configure to address this concern?

- A. Community strings
- B. IPSec tunnels
- C. ACLs

**Answer:** C

**NEW QUESTION 89**

A company is concerned about the security of its data repository that contains customer PII. A systems administrator is asked to deploy a security control that will prevent the exfiltration of such data. Which of the following should the systems administrator implement?

- A. DLP
- B. WAF
- C. FIM
- D. ADC

**Answer:** A

**NEW QUESTION 92**

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