CompTIA

Exam Questions CV0-003

CompTIA Cloud+ Certification Exam

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NEW QUESTION 1
An organization's web server farm, which is hosted in the cloud with DNS load balancing, is experiencing a spike in network traffic. This has caused an outage of the organization's web server infrastructure.
Which of the following should be implemented to prevent this in the future as a mitigation method?

A. Enable DLP
B. Configure microsegmentation
C. Enable DNSSEC
D. Deploy a vADC appliance

Answer: D

NEW QUESTION 2
A support engineer wants to prevent users from running malware on several IaaS compute instances. Which of the following will BEST achieve this objective?

A. Encrypt all applications that users should not access.
B. Set the execute filesystem permissions on the desired applications only.
C. Implement an application whitelisting policy.
D. Disable file sharing on the instance.

Answer: C

NEW QUESTION 3
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 4
A systems administrator is troubleshooting performance issues with a Windows VDI environment. Users have reported that VDI performance has been slow since the images were upgraded from Windows 7 to Windows 10.
This VDI environment is used to run simple tasks, such as Microsoft Office. The administrator investigates the virtual machines and finds the following settings:
 4 vCPU
 16GB RAM
 10Gb networking
 256MB frame buffer
Which of the following MOST likely needs to be upgraded?

A. vRAM
B. vCPU
C. vGPU
D. vNIC

Answer: D

NEW QUESTION 5
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 6
A cloud administrator has deployed a new VM. The VM cannot access the Internet or the VMs on any other subnet. The administrator runs a network command and sees the following output:

The new VM can access another VM at 172.16.31.39. The administrator has verified the IP address is correct. Which of the following is the MOST likely cause of the connectivity issue?

A. A missing static route
B. A duplicate IP on the network
C. Firewall issues
D. The wrong gateway

Answer: B

NEW QUESTION 7
A Chief Information Security Officer (CISO) is evaluating the company's security management program. The CISO needs to locate all the assets with identified deviations and mitigation measures. Which of the following would help the CISO with these requirements?

A. An SLA document
B. ADR plan
C. SOC procedures
D. A risk register

Answer: C

NEW QUESTION 8
A systems administrator needs to convert ten physical servers to virtual.
Which of the following would be the MOST efficient conversion method for the administrator to use?

A. Rebuild the servers from scratch
B. Use the vendor's conversion tool
C. Clone the hard drive
D. Restore from backup

Answer: C

NEW QUESTION 9
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 10
Due to a policy change, a few of a customer's application VMs have been migrated to synchronously replicated storage. The customer now reports that performance is lower. The systems administrator checks the resource usage and discovers CPU utilization is at 60% and available memory is at 30%.
Which of the following is the MOST likely cause?

A. There is not enough vCPU assigned
B. The application is not compatible with the new settings
C. The new configuration is adding latency
D. The memory of the VM is underallocated

Answer: B

NEW QUESTION 10
A vendor is installing a new retail store management application for a customer. The application license ensures software costs are low when the application is not being used, but costs go up when use is higher.
Which of the following licensing models is MOST likely being used?

A. Socket-based
B. Core-based
C. Subscription
D. Volume-based

Answer: D

NEW QUESTION 11
A systems administrator has finished installing monthly updates to servers in a cloud environment. The administrator notices certain portions of the playbooks are no longer functioning. Executing the playbook commands manually on a server does not work as well. There are no other reports of issues.
Which of the following is the MOST likely cause of this issue?

A. Change management failure
B. Service overload
C. Patching failure
D. Job validation issues
E. Deprecated features

Answer: D

NEW QUESTION 13
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 technician is working with an American company that is using cloud services to provide video-based training for its customers. Recently, due to a surge in demand, customers in Europe are experiencing latency.
Which of the following services should the technician deploy to eliminate the latency issue?

A. Auto-scaling
B. Cloud bursting
C. A content delivery network
D. A new cloud provider

Answer: A

NEW QUESTION 16
An organization has multiple VLANs configured to segregate the network traffic. Following is the breakdown of the network segmentation:
 Production traffic (10.10.0.0/24)
 Network backup (10.20.0.0/25)
 Virtual IP network (10.20.0.128/25)
The following configuration exists on the server:

The backup administrator observes that the weekly backup is failing for this server. Which of the following commands should the administrator run to identify the issue?

A. ROUTE PRINT
B. NETSTAT -A
C. IPCONFIG /ALL
D. NET SM

Answer: A

NEW QUESTION 21
An organization is hosting a DNS domain with private and public IP ranges. Which of the following should be implemented to achieve ease of management?

A. Network peering
B. A CDN solution
C. A SDN solution
D. An IPAM solution

Answer: D

NEW QUESTION 23
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 24
A cloud provider wants to make sure consumers are utilizing its IaaS platform but prevent them from installing a hypervisor on the server. Which of the following will help the cloud provider secure the environment and limit consumers' activity?

A. Patch management
B. Hardening
C. Scaling
D. Log and event monitoring

Answer: D

NEW QUESTION 25
A systems administrator recently upgraded the processors in a web application host. Upon the next login, the administrator sees a new alert regarding the license being out of compliance.
Which of the following licensing models is the application MOST likely using?

A. Per device
B. Per user
C. Core-based
D. Volume-based

Answer: C

NEW QUESTION 27
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 32
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 34
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 35
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 36
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 through 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 38
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 41
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 46

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 50

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 53

An organization is running a database application on a SATA disk, and a customer is experiencing slow performance most of the time.
Which of the following should be implemented to improve application performance?

A. Increase disk capacity
B. Increase the memory and network bandwidth
C. Upgrade the application
D. Upgrade the environment and use SSD drives

Answer: D

NEW QUESTION 55

A cloud administrator is reviewing a new application implementation document. The administrator needs to make sure all the known bugs and fixes are applied, and unwanted ports and services are disabled.
Which of the following techniques would BEST help the administrator assess these business requirements?

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

Answer: C

NEW QUESTION 58

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 60

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 setupand 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 dow
C. Restore the data from the backups.
D. Implement a website replica in the cloud with auto-scaling using the smallest possible footprin
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 disaste

G. Upload the backup on demand to the cloud to restore on the new instances.

Answer: B

NEW QUESTION 63
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 67
A systems administrator is configuring RAID for a new server. This server will host files for users and replicate to an identical server. While redundancy is necessary, the most important need is to maximize storage.
Which of the following RAID types should the administrator choose?

A. 5
B. 6
C. 10
D. 50

Answer: C

NEW QUESTION 69
A cloud administrator is planning to migrate a globally accessed application to the cloud.
Which of the following should the cloud administrator implement to BEST reduce latency for all users?

A. Regions
B. Auto-scaling
C. Clustering
D. Cloud bursting

Answer: A

NEW QUESTION 74
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 79
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 81
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 83

A company just successfully completed a DR test and is ready to shut down its DR site and resume normal operations.
Which of the following actions should the cloud administrator take FIRST?

A. Initiate a failover
B. Restore backups
C. Configure the network
D. Perform a failback

Answer: A

NEW QUESTION 88
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 92
A company has decided to scale its e-commerce application from its corporate datacenter to a commercial cloud provider to meet an anticipated increase in demand during an upcoming holiday.
The majority of the application load takes place on the application server under normal conditions. For this reason, the company decides to deploy additional application servers into a commercial cloud provider using the on-premises orchestration engine that installs and configures common software and network configurations.
The remote computing environment is connected to the on-premises datacenter via a site-to-site IPSec tunnel. The external DNS provider has been configured to use weighted round-robin routing to load balance connections from the Internet.
During testing, the company discovers that only 20% of connections completed successfully. INSTRUCTIONS
Review the network architecture and supporting documents and fulfill these requirements:
Part 1:
Analyze the configuration of the following components:
DNS, Firewall 1, Firewall 2, Router 1, Router 2, VPN and Orchestrator Server.
Identify the problematic device(s).
Part 2:
Identify the correct options to provide adequate configuration for hybrid cloud architecture.
If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.
Part 1:
Cloud Hybrid Network Diagram

Part 2:
Only select a maximum of TWO options from the multiple choice question

A. Mastered
B. Not Mastered

Answer: A

Explanation:
See explanation below.

Change the Address Space on Router2
Update the PSK (Pre-shared key in Router2)

NEW QUESTION 94
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 96
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 99
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:

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 101
The QA team is testing a newly implemented clinical trial management (CTM) SaaS application that uses a business intelligence application for reporting. The UAT users were instructed to use HTTP and HTTPS.
Refer to the application dataflow:
1A – The end user accesses the application through a web browser to enter and view clinical data.
2A – The CTM application server reads/writes data to/from the database server.
1B – The end user accesses the application through a web browser to run reports on clinical data.
2B – The CTM application server makes a SOAP call on a non-privileged port to the BI application server.
3B – The BI application server gets the data from the database server and presents it to the CTM application server.
When
UAT users try to access the application using https://ctm.app.com or http://ctm.app.com, they get a message stating: "Browser cannot display the webpage." The QA team has raised a ticket to troubleshoot the issue.
INSTRUCTIONS
You are a cloud engineer who is tasked with reviewing the firewall rules as well as virtual network settings. You should ensure the firewall rules are allowing only the traffic based on the dataflow.
You have already verified the external DNS resolution and NAT are working.
Verify and appropriately configure the VLAN assignments and ACLs. Drag and drop the appropriate VLANs to each tier from the VLAN Tags table. Click on each Firewall to change ACLs as needed.
If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
On firewall 3, change the DENY 0.0.0.0 entry to rule 3 not rule 1.

NEW QUESTION 106
A systems administrator is deploying a solution that requires a virtual network in a private cloud environment. The solution design requires the virtual network to transport multiple payload types.
Which of the following network virtualization options would BEST satisfy the requirement?

A. VXLAN
B. STT
C. NVGRE
D. GENEVE

Answer: C

NEW QUESTION 111
A cloud administrator is building a new VM for machine-learning training. The developer requesting the VM has stated that the machine will need a full GPU dedicated to it.
Which of the following configuration options would BEST meet this requirement?

A. Virtual GPU
B. External GPU
C. Passthrough GPU
D. Shared GPU

Answer: C

NEW QUESTION 116
A systems administrator notices that a piece of networking equipment is about to reach its end of support. Which of the following actions should the administrator recommend?

A. Update the firmware
B. Migrate the equipment to the cloud
C. Update the OS
D. Replace the equipment

Answer: A

NEW QUESTION 118
An administrator is performing an in-place upgrade on a quest VM operating system.
Which of the following can be performed as a quick method to roll back to an earlier state, if necessary?

A. A configuration file backup
B. A full backup of the database
C. A differential backup
D. A VM-level snapshot

Answer: D

NEW QUESTION 120
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 125
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 126
A company is switching from one cloud provider to another and needs to complete the migration as quickly as possible.
Which of the following is the MOST important consideration to ensure a seamless migration?

A. The cost of the environment
B. The I/O of the storage
C. Feature compatibility
D. Network utilization

Answer: D

NEW QUESTION 131
A company developed a product using a cloud provider's PaaS platform and many of the platform-based components within the application environment.
Which of the following would the company MOST likely be concerned about when utilizing a multicloud strategy or migrating to another cloud provider?

A. Licensing
B. Authentication providers
C. Service-level agreement
D. Vendor lock-in

Answer: D

NEW QUESTION 134
A systems administrator is configuring a storage array.
Which of the following should the administrator configure to set up mirroring on this array?

A. RAID 0
B. RAID 1
C. RAID 5
D. RAID 6

Answer: B

NEW QUESTION 135
A company needs a solution to find content in images. Which of the following technologies, when used in conjunction with cloud services, would facilitate the BEST solution?

A. Internet of Things
B. Digital transformation
C. Artificial intelligence
D. DNS over TLS

Answer: C

NEW QUESTION 138
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