



Vendor: CompTIA

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Q & A: 265

QUESTION 1

Which of the following locations would a system engineer MOST likely place a NAS storage device for VM image files?

- A. In the same subnet as the associated hypervisors
- B. Outside of the external router
- C. In a remote datacenter for geographic diversity
- D. Behind a LUN mask to maximize obfuscation

Correct Answer: A

QUESTION 2

Which of the following cloud services provides application isolation?

- A. DaaS
- B. BPaaS
- C. CaaS
- D. SaaS

Correct Answer: D

QUESTION 3

An administrator deployed ten application servers from a single VM template. A senior administrator notices that these ten VMs are not using their resources efficiently. Which of the following is MOST likely the issue with the new servers?

- A. The dynamic resource pool is malfunctioning.
- B. The server is missing security patches.
- C. The VM servers were not properly configured.
- D. There are insufficient resources available on the host.

Correct Answer: C

QUESTION 4

An administrator has enabled NPIV and has configured the SAN for SAN boot; however, SAN boot fails intermittently. Which of the following, if configured incorrectly, could cause the issue?

- A. LUN Masking
- B. Storage cluster
- C. Zoning
- D. WWPN

Correct Answer: D

QUESTION 5

When conducting penetration testing on production systems during business hours, such testing will MOST likely cause disruption to operations when doing which of the following?

- A. When testing account lockout policies

- B. When checking file system ACLs
- C. When footprinting the network
- D. When discovering service versions

Correct Answer: A

QUESTION 6

An employee is asked to run an instance of a Linux OS while booted up in a Windows OS. Which of the following types of virtualization would be used to meet this requirement?

- A. Type I
- B. Type II
- C. Bare Metal
- D. Native

Correct Answer: B

QUESTION 7

An administrator deployed a VM from a template which has the firewall disabled. The server IP address is manually assigned. The administrator cannot ping the server by IP address or DNS hostname and has logged in from the hypervisor management console to verify the TCP/IP settings are correct. Which of the following is MOST likely the cause of the issue?

- A. The routing table is incorrect.
- B. The virtual NIC is not bridged.
- C. The VLAN tag is incorrect.
- D. The guest tools are not installed.

Correct Answer: B

QUESTION 8

Management has implemented a policy which states that the OS, the swap file, and data must each reside on its own disk. The virtualization administrator has deployed a VM from a template that has one virtual disk configured. Which of the following steps MUST the administrator take to comply with policy?

- A. Add two virtual disks to the VM
- B. Create two partitions on the existing virtual disk
- C. Create three partitions on the existing virtual disk
- D. Add three virtual disks to the VM

Correct Answer: A

QUESTION 9

A company that provides cloud-based storage services wants to ensure that if underlying hard disk drives are sent to the disposal facility, they will not contain any data in clear-text format. Which of the following should be done to accomplish this task?

- A. Implement degaussing

- B. Ensure that ACLs are configured on users' data
- C. Implement full-disk encryption
- D. Fill disk with random data before disposal

Correct Answer: C

QUESTION 10

A new host has been bought to be a part of a new cluster. The purchase order specifies this server has four physical CPUs with eight cores each. After the administrator boots the host, there are only 24 logical processors available for VM allocation. Which of the following BEST describes this problem?

- A. The server requires a firmware upgrade to version 8.2
- B. The BIOS does not have virtualization support features completely enabled
- C. The virtualization license is not the enterprise edition
- D. A CPU is dead on arrival or disabled on the motherboard

Correct Answer: D

QUESTION 11

Which of the following describes a best practice for placement of VM swap files in a virtualized environment?

- A. Place them on the same datastore as the OS
- B. Place them on the same datastore as the data
- C. Place them on their own datastore
- D. Place them on the local disk of the VM host

Correct Answer: C

QUESTION 12

The Chief Information Officer (CIO) of a company is tasked to save costs by reducing datacenter space. The administrator explains that virtualization of servers will support this task as a benefit of migrating to a cloud environment known as:

- A. Increased server efficiency.
- B. Infrastructure consolidation.
- C. Total cost of ownership reduction.
- D. Increased availability.

Correct Answer: B

QUESTION 13

Which of the following technologies would MOST likely be used for personal use to virtualize a desktop?

- A. Type II
- B. Type I
- C. RAID 5

D. RAID 0

Correct Answer: A

QUESTION 14

A JBOD is being monitored and an administrator notices that a high number of writes occur in short timeframes in the last 24 hours. Which of the following BEST describes this issue?

- A. I/O bursting
- B. I/O throttling
- C. I/O threshold
- D. I/O saturation

Correct Answer: A

QUESTION 15

A technician wants to configure a server for storage redundancy so that if any two of the four drives fail, the server is still operational. Which of the following should the technician configure?

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

Correct Answer: D

QUESTION 16

Which of the following is MOST important when working in highly available virtual environments?

- A. Storage VLAN
- B. Virtual network
- C. Wide area network
- D. Heartbeat VLAN

Correct Answer: D

QUESTION 17

Which of the following could be reviewed on devices to help determine whether unauthorized access has occurred?

- A. Antivirus
- B. Firewall
- C. Audit logs
- D. IDS

Correct Answer: C

QUESTION 18

A company has a virtualized environment. Hosts are configured to dynamically assign resources from the resource pool as required. Ann, an administrator is remotely connected to a host and is adding ten more guests. She suddenly loses connection to the host and fails to reconnect. Ann now finds that the server no longer responds when pinged. Which of the following BEST describes the issue?

- A. Over allocation of guest resources
- B. Over allocation of virtual resources
- C. Over allocation of storage resources
- D. Over allocation of host resources

Correct Answer: D

QUESTION 19

Which of the following is MOST likely to be retrieved from an individually addressable blob?

- A. An object ID
- B. A hash
- C. A sequence number
- D. An image

Correct Answer: D

QUESTION 20

Which of the following would be used to advertise a public IP address on redundant WAN circuits?

- A. BGP
- B. UDP
- C. OSPF
- D. ICMP

Correct Answer: A

QUESTION 21

A technician wants to isolate storage from other network traffic. Which of the following MUST the technician implement to ensure storage traffic is securely segregated?

- A. VLAN
- B. VMFS
- C. PAT
- D. NTFS

Correct Answer: A

QUESTION 22

An administrator is tasked with writing the company disaster recovery plan in the event the hosting company experiences a catastrophe. Which of the following should be included? (Select TWO).

- A. Fire safety signage
- B. Fire exits
- C. Door closures and time-delay door alarm
- D. Risk assessments
- E. Contingency plan and test protocols

Correct Answer: DE

QUESTION 23

An administrator notices one of the VMs hosting an application server is consuming more CPU resources over time. As a result, the host is running near 90% CPU capacity at peak time. Which of the following is the BEST method to alleviate this issue while minimizing downtime?

- A. Online storage migration
- B. Online migration to a new host
- C. Upgrade the host CPU to increase resources
- D. Add a new virtual CPU

Correct Answer: B

QUESTION 24

A programmer removes OS software from a laptop during development of a new prototype for the company. After the code is promoted from development to QA, none of the QA testers can get the application to work. Which of the following is MOST likely the cause of the application not working properly in QA?

- A. QA systems require a reboot after a new application is installed
- B. Programmer did not compile the code properly
- C. Programmer put the source code in repository without any validations
- D. QA systems are missing patches

Correct Answer: D

QUESTION 25

Which of the following technologies should be used to reduce the disk footprint of a VM?

- A. Defragmentation
- B. Full disk encryption
- C. Thin-provisioning
- D. NTFS compression

Correct Answer: C

QUESTION 26

Requiring all SaaS vendors to perform updates to systems within the customer's datacenter is an example of which of the following types of cloud delivery services?

- A. Off premise hosting
- B. On premise hosting
- C. Orchestration platforms
- D. Hybrid delivery models

Correct Answer: B

QUESTION 27

Which of the following storage technologies is file-based?

- A. WAN
- B. DAS
- C. SAN
- D. NAS

Correct Answer: D

QUESTION 28

Which of the following storage technologies can leverage switches in its implementation?

- A. HBA
- B. DAS
- C. SCSI
- D. SAN

Correct Answer: D

QUESTION 29

An administrator is troubleshooting the cause of multiple VMs which are suddenly going offline. Which of the following is the FIRST step in troubleshooting the issue?

- A. Review LUN configurations for errors
- B. Review Fibre Channel zoning configuration
- C. Review system logs on the host
- D. Review VM OS multipathing software configuration

Correct Answer: C

QUESTION 30

A developer is storing a large number of images in binary format to call for a website. Which of the following BEST describes this type of storage object?

- A. Object ID
- B. Extended metadata
- C. Metadata

D. Data blob

Correct Answer: D

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