



E20-018^{Q&As}

Virtualized Data Center and Cloud Infrastructure Design Specialist

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QUESTION 1

A customer is determining whether to divest resources into a third-party cloud solution. They are concerned about what will happen should they decide to migrate their data back in-house.

Which contractual agreement defines this scenario?

- A. Service-level agreement
- B. End-user license agreement
- C. Non-binding user contract
- D. Termination agreement

Correct Answer: D

QUESTION 2

Bandwidth requirements for applications running on a hypervisor are as follows:

-

Ave. SAN Bandwidth: 3 Gb/s

-

Ave. LAN Bandwidth: 2 Gb/s

What is the minimum number of dual-port CNAs you would need to install in the server to meet bandwidth requirements while providing CNA redundancy?

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

Correct Answer: B

QUESTION 3

As part of a VDC design, you configured a number of virtual machine OS clusters. Each cluster must have a non-routable network to accommodate system heartbeats. However, some of the clusters house sensitive data that should not be accessible by any other cluster. For fault tolerance purposes, the cluster nodes will never be hosted on the same hypervisor.

How should you instruct the administrator to configure the Private VLANs?



- A. Configure the Primary and Community VLANs on both the hypervisor virtual switches and access layer switches.
- B. Configure the Primary and Community VLANs on the hypervisor virtual switches.
- C. Configure the Primary and Isolated VLANs on both the hypervisor virtual switches and access layer switches.
- D. Configure the Primary and Isolated VLANs on the hypervisor virtual switches.

Correct Answer: A

QUESTION 4

Which WAN connectivity solution provides the same security options utilized in a local area network (VLAN)?

- A. IP
- B. MPLS
- C. WDM
- D. Dark Fiber

Correct Answer: D

QUESTION 5

A company has five heterogeneous storage arrays that are all connected to a common SAN environment.

They want to offer storage to their end users, masking the identity of the target storage so the users cannot tell which storage system they are using.

Which virtualization technique would work in this environment?

- A. Distributed virtualization
- B. Block-level storage virtualization
- C. Hadoop HDFS
- D. File-level storage virtualization

Correct Answer: B

QUESTION 6

From an IT business layer perspective, what do you gain by consolidating at the application layer?

- A. Reduced transactional storage
- B. Reduced footprint



- C. Inter-array tiering
- D. Increased compute power

Correct Answer: B

QUESTION 7

Which backup solution(s) are possible candidates when there is a need to restore specific files on a VM?

- A. VM-based backup and image-based backup
- B. Storage-based backup only
- C. Hypervisor-based ("VM as flat file") backup
- D. Storage-based backup and image-based backup

Correct Answer: A

QUESTION 8

What is the primary benefit of Virtual Storage Integrator (VSI)?

- A. It enables a server administrator to provision storage to a hypervisor.
- B. It enables a storage administrator to create storage pools on the array.
- C. It enables a network administrator to manage VSANs and VLANs with a common interface.
- D. It eliminates the need for array-based thin pools.

Correct Answer: A

QUESTION 9

What should you use when you require consistent backups for ease of recovery?

- A. VM-based backup and image-based backup
- B. Storage-based backup only
- C. Hypervisor-based ("VM as flat file") backup
- D. Storage-based backup and VM-based backup

Correct Answer: A

QUESTION 10



An organization uses Linux desktops, laptops, and servers for their primary infrastructure. The company has a business need to run a mission critical application that is only available for the Microsoft Windows operating system. This application and associated data need to be available to 10-12 users.

Which solution would best meet their needs, and why?

- A. VDI, because it provides better fault tolerance
- B. VDI, because it offers a lower cost per user than
- C. RDS, because it offers true user segmentation
- D. RDS, because it provides better fault tolerance

Correct Answer: A

QUESTION 11

You decide to pursue a "scale-up" approach instead of a "scale-out" approach to storage. What fundamental tradeoff have you most likely made?

- A. Simplicity of management versus improved scalability
- B. Improved availability versus limited scalability
- C. Ease of storage tiering versus poor resource utilization
- D. Higher application throughput versus degraded response time

Correct Answer: A

QUESTION 12

What cloud characteristic provides computing resources that facilitate multiple consumers using a multi-tenant model, with different physical and virtual components that are dynamically assigned and reassigned based on demand?

- A. On-demand self-service
- B. Resource pooling
- C. Rapid elasticity
- D. Measured service

Correct Answer: B

QUESTION 13

You are planning to deploy a virtualized application in a high-availability configuration with automated VM restart on a hypervisor cluster. Your sizing estimates show that peak workload conditions will saturate the processing power of three hypervisor servers.



To meet the SLA, N+2 redundancy is required on the hypervisor servers, with server utilization not to exceed 75% under any conditions.

What is the minimum number of nodes that you should configure in the hypervisor cluster?

- A. 5
- B. 6
- C. 7
- D. 8

Correct Answer: B

QUESTION 14

A VDC administrator needs to create a virtual distributed file system. Which file storage protocol would best meet their requirement?

- A. iSNS
- B. pNFS
- C. NFS
- D. NTFS

Correct Answer: B

QUESTION 15

An organization is establishing a second data center and needs to have high speed, low latency LAN and SAN connectivity between the two sites. They are only able to obtain two standards of dark fiber due to the cost.

Which technology will allow them to fulfill their requirements?

- A. FCoE
- B. MPLS
- C. DWDM
- D. FCIP

Correct Answer: D
