



# 3V0-21.21<sup>Q&As</sup>

Advanced Design VMware vSphere 7.x

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### QUESTION 1

As part of a new hybrid cloud initiative for a large financial company, the customer technical team is presenting an overview of the current state of the infrastructure and their vision for a new solution.

The project team captures notes during the presentation and adds them to the discovery documentation.

Which of the listed statements is a design constraint?

- A. The applications are created in-house with in-guest recovery protection
- B. The maximum tolerable data loss is 10 minutes
- C. The two data center locations have a network latency of 8 ms round-trip time (RTT)
- D. The existing storage is out of maintenance

Correct Answer: D

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### QUESTION 2

An architect is designing a vSphere environment for a customer based on the following information:

The vSphere cluster will have three hosts only due to budget considerations.

A database cluster (node majority) consisting of three virtual machines will be running on the vSphere cluster.

Which two recommendations can the architect make so that the customer achieves the highest level of application availability while taking into consideration operational resiliency? (Choose two.)

- A. Create VM-VM anti-affinity rules
- B. Set `das.respectvmvantiiaffinityrules` to false
- C. Create VM-Host anti-affinity rules
- D. Disable vSphere HA during maintenance
- E. Set `das.ignoreinsufficienthbdastore` to true

Correct Answer: BC

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### QUESTION 3

There is a request for approved virtual machine applications through a new vSphere platform's integrated automation portal. The platform was built following all provided company security guidelines and has been



assessed against Sarbanes-Oxley Act of 2002 (SOX) regulations.

The platform has the following characteristics:

vRealize Operations is being used to monitor all clusters.

There is a dedicated ESXi cluster, supporting all management services.

-All network traffic is via distributed virtual switches (DVS).

There is a dedicated ESXi cluster for all line-of-business applications.

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Network traffic is serviced by NSX-T.

There is a dedicated ESXi cluster for virtual desktop infrastructure (VDI).

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Network traffic is serviced by NSX-T.

The application owner is requesting approval to install a new service that must be protected as per the Payment Card Industry (PCI) Data Security Standard.

Which additional non-functional requirement should the architect include in the design to support the new service?

- A. The vSphere hosting platform and all PCI application virtual machines must be assessed against Payment Card Industry (PCI) Data Security Standard compliance.
- B. The vSphere hosting platform and all PCI application virtual machines must be assessed for SOX compliance.
- C. The vSphere hosting platform and all PCI application virtual machine network traffic must be routed via NSX-T.
- D. The vSphere hosting platform and all PCI application virtual machines must be monitored using the vRealize Operations Compliance Pack for Payment Card Industry.

Correct Answer: C

#### QUESTION 4

An architect is designing a VMware software-defined data center (SDDC) solution based on the following customer requirements: The solution must initially support 1,000 virtual machines The solution must scale to support the concurrent running of up to 5,000 virtual machines The production environment should be delivered across two data centers The solution should have a maximum tolerable downtime (MTD) of four hours The solution should have a monthly service availability target of 99.8%

Which two assumptions could the architect make based on the information from the customer to help size the solution? (Choose two.)

- A. The number of vSphere hosts in a cluster
- B. The average resource utilization of a virtual machine
- C. The size (CPU/RAM/storage) of the average virtual machine



- D. The guest operating system for each virtual machine
- E. The size (CPU/RAM/storage) of the vSphere hosts

Correct Answer: AE

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#### QUESTION 5

A customer has six hosts available in a cluster. When running at full capacity, all virtual machines can be run on two hosts.

How many hosts can the customer place into maintenance mode at the same time while still providing N+2 resiliency to the cluster?

- A. Two
- B. Three
- C. One
- D. None

Correct Answer: B

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