3V0-21.21$^{Q\&As}$

Advanced Design VMware vSphere 7.x

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QUESTION 1

An architect is planning the physical server configuration for a vSAN-based infrastructure.

Which operations mode should a RAID controller support to minimize potential server downtime during physical disk failures?

A. RAID controller with Passthru mode

B. RAID controller with RAID 5 mode

C. RAID controller with RAID 10 mode

D. RAID controller with RAID 6 mode

Correct Answer: D

Reference: https://docs.vmware.com/en/VMware-vSphere/7.0/vsan-702-planning-deployment-guide.pdf

(25)

QUESTION 2

An architect is designing the expansion of an existing vSphere 7 environment. The customer is requesting

a design for a new cluster to support the anticipated future business growth. The requirements specified

for the existing environment design must be considered when designing the new cluster.

The existing design has the following requirements:

REQ01 The environment has an availability target of 99.5% for all infrastructure.

REQ02 The recovery time objective (RTO) for Tier 1 virtual machines is one hour.

REQ03 Windows and Linux virtual machines must reside on separate clusters.

REQ04 Access to the management cluster within the environment must be controlled.

Which of the listed requirements would be classified as a functional requirement?

A. The environment has an availability target of 99.5% for all infrastructure

B. The recovery time objective (RTO) for Tier 1 virtual machines is one hour

C. Access to the management cluster within the environment must be controlled

D. Windows and Linux virtual machines must reside on separate clusters

Correct Answer: A

QUESTION 3

Which requirement would be classified as a functional requirement within the application design documentation?

A. The application must be hosted with redundancy levels of N+1 or better.

B. Penetration testing must be executed quarterly with a pass rate of 80% or higher.

C. The application must be capable of handling 200 transactions per second.

D. Administrators must monitor the network traffic of the desired systems.

Correct Answer: C

QUESTION 4

An architect decides to separate virtual desktops and application servers into separate vSphere clusters to meet security and management requirements.

What are two implications of this design decision? (Choose two.)

A. There will be an increase in management overhead.

B. Identical hardware must be procured for all hosts.

C. There will be a reduction in performance.

D. The patching cycles will affect both clusters at the same time.

E. There will be additional licensing and cost requirements for both clusters.

Correct Answer: DE

QUESTION 5

An architect is tasked with designing a new VMware software-defined data center (SDDC) using VMware vSAN. The architect uses a storage assessment tool to determine the storage requirements for the new vSAN cluster. The new SDDC is going to be deployed into the existing data center and must be connected to a shared core network switch.

The architect decides to use vSAN ReadyNodes with the following configuration:

Two disk groups with:

-Write Intensive NVMe 800 GB drive for cache

-Four 3.84 TB Mixed Use NVMe for capacity Four 10 GbE ports

Which element represents a risk that should be included in this design?

A. The number of 10 GbE capable ports in the vSAN ReadyNode

B. The use of vSAN ReadyNodes

C. The existing network is 10 GbE capable

D. The use of NVMe drives for cache and capacity

Correct Answer: C

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