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Advanced Design VMware vSphere 7.x

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QUESTION 1

A customer defines a requirement to minimize the vMotion migration time during a maintenance period. The servers being used are equipped with eight 1 GbE network adapters.

Per the defined logical network configuration, there are two network adapters each used for:

Management traffic vMotion traffic iSCSI traffic Virtual machine traffic

Which design decision should the architect make to meet the customer requirement?

- A. Use Network I/O Control to define a reservation for vMotion traffic.
- B. Implement Multi-NIC vMotion by adding additional vMotion VMkernels.
- C. Configure a dedicated TCP/IP stack for vMotion traffic.
- D. Combine vMotion and Management traffic to make use of four adapters.

Correct Answer: A

QUESTION 2

An architect is designing a new VMware solution for a customer that has a number of different resource profiles.

The following are the business requirements for the design:

The solution must support virtual machines with the following storage profiles:

- Write-intensive
- Backup
- Write-Once-Read-Many (WORM) archive

The solution must support migration of virtual machine disks between storage profiles.

The WORM archive data must be located at an isolated secure site.

The backup storage array must only be connected to a backup media server.

All data should be recoverable from backup.

Which design decision should the architect make to meet the business requirements?

- A. The solution will leverage a single storage array for the WORM archive and write-intensive storage profiles
- B. The solution will leverage the same array for the backup and write-intensive storage profiles



- C. The solution will leverage a different array for each storage profile
- D. The solution will leverage a single storage array for all storage profiles

Correct Answer: C

QUESTION 3

During a requirements gathering workshop, the customer provides the following requirement (REQ) and constraints (CON):

REQ01: The customer is looking for a way to limit database virtual machine (VM) placement to save on CPU licensing costs.

CON01: There is a single cluster with no budget to scale.

CON02: All virtual machines must run on the consolidated cluster.

Which two design decisions should the architect make to meet the customer requirement? (Choose two.)

- A. The solution must use VM-VM anti-affinity rules
- B. The solution must use vSphere DRS in manual mode
- C. The solution must use a vRealize Orchestrator workflow for VM placement
- D. The solution must use VM-Host affinity rules
- E. The solution must use vSphere VM and host DRS groups

Correct Answer: CE

QUESTION 4

A VMware Service Provider is tasked with delivering a solution for continuous availability for a subset of Tier 1 virtual machines (VMs) and vApps running in their vSAN environment. The VMs make up a mission-critical application and there can be no data loss in the event of an outage at their primary data center. In the event of a regional outage, they have established a 10-minute recovery point objective (RPO). Failover/ failback to the third site must be automated.

They have the following in place:

Two local data centers (primary and secondary) connected with 100 Gb dedicated fiber

-2ms round-trip time (RTT) latency between the sites A third data center located on another power grid

-70ms latency between the primary and secondary data centers Matching storage arrays at all locations Which two solutions could be used to meet the requirements? (Choose two.)

- A. Site Recovery Manager
- B. Snapshots



- C. vSAN Metro Cluster
- D. vSphere Data Protection
- E. vStorage APIs for Array Integration (VAAI)

Correct Answer: BC

QUESTION 5

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>

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