



3V0-624^{Q&As}

VMware Certified Advanced Professional 6.5 – Data Center
Virtualization Design Exam

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QUESTION 1

A customer wants to make its data available with a RPO of 10 minutes. Replication to the second data center will be done using the network.

Which type of storage configuration should be used?

- A. NFS datastore on ESXi 6.0 with vSphere replication appliance 6.0
- B. VMFS datastore on ESXi 6.0 with vSphere replication appliance 6.5
- C. vSAN datastore on ESXi 6.0 with vSphere replication appliance 6.5
- D. VMFS datastore on ESXi 6.0 with vSphere replication appliance 6.0

Correct Answer: C

vSphere Replication 6.5 is supported on previous ESXi versions (such as 6.0). Only constraint is vCenter is running 6.5 as well (which can be assumed as it is not mentioned). vSphere Replication 6.5 release notes announce the 5 minute RPO (improved from 15 minutes previously) and specifically calls out the limitation of ESXi 6.0 only being supported for vSAN.

<https://docs.vmware.com/en/vSphere-Replication/6.5/rn/vsphere-replication-65-release-notes.html>

1.

5-minute Recovery Point Objective (RPO) support for additional data store types

QUESTION 2

A host has three dual-port network cards. What is the maximum number of vSwitches that can be integrated with the physical network, assuming that network redundancy is not a requirement?

- A. 3
- B. 6
- C. 256
- D. 512

Correct Answer: B

QUESTION 3

Drag and Drop

You have been tasked with creating a vSphere 6.5 data center design for an organization. The organization has provided a number of requirements, resulting in a preliminary vSphere cluster design shown in the Scenario.

The organization has purchased additional servers configured with large amounts of resources (i.e. CPU, RAM) that



could be integrated into the cluster design. Consider each vSphere cluster design and determine the benefit of adding additional servers to the design.

Based on customer requirements, a vSphere Cluster design has been defined:	
Cluster A (8 ESXi hosts)	<ul style="list-style-type: none">- High Performance Resource Pool – 70% of all cluster resources, virtual machines have dedicated reservations for CPU and Memory that do not expand.<ul style="list-style-type: none">- Contention Present: None- VMs: 20- Infrastructure Resource Pool – 30% of all resources, virtual machines have dedicated reservations for CPU and Memory that do not expand<ul style="list-style-type: none">- Contention Present: None- VMs: 12
Cluster B (3 ESXi hosts)	<ul style="list-style-type: none">- Development Resource Pool – 50% of all resources, virtual machines have no CPU or Memory reservations present.<ul style="list-style-type: none">- Contention Present: Memory Contended, no CPU Contention- VMs: 18- Reporting Resource Pool – 50% of all resources, virtual machines memory reservation may expand, no CPU reservation present.<ul style="list-style-type: none">- Contention Present: Memory Contended, CPU Contended- VMs: 2
Cluster C (6 ESXi hosts)	<ul style="list-style-type: none">- Client Back-End Hosting Resource Pool – 75% of all resources, virtual machines have CPU and Memory limits<ul style="list-style-type: none">- Contention Present: Memory Contended- VMs: 5- Client Front-End Hosting Resource Pool – 25% of all resources, virtual machines have no CPU limits, however memory limits are in place.<ul style="list-style-type: none">- Contention Present: Memory contended, no CPU Contention

Match the Action on the left by dragging the red buttons (A1-A3) over the text of the corresponding Effect. NOTE: Actions taken might have more than one Effect on the cluster design.

Select and Place:



Database Requirements		Design Characteristics	
R1			Provides additional CPU resources to every virtual machine in the cluster.
R2	Add servers to Cluster A		Provides additional memory resources to every virtual machine in the cluster.
R3			Provides additional CPU resources to some virtual machines in the cluster.
	Add servers to Cluster B		Provides additional memory resources to some virtual machines in the cluster.
			No benefit to virtual machine CPU resources.
	Add servers to Cluster C		No benefit to virtual machine memory resources.

Correct Answer:

Database Requirements		Design Characteristics	
			Provides additional CPU resources to every virtual machine in the cluster.
	Add servers to Cluster A	R3	Provides additional memory resources to every virtual machine in the cluster.
		R2	Provides additional CPU resources to some virtual machines in the cluster.
	Add servers to Cluster B	R1	Provides additional memory resources to some virtual machines in the cluster.
			No benefit to virtual machine CPU resources.
	Add servers to Cluster C		No benefit to virtual machine memory resources.



QUESTION 4

A business organization has different types of network traffic, and all the types of traffic must be kept separated. The design architect knows that the number of required networks is greater than the number of physical ports in the system.

Which three choices can the architect use to keep the traffic separated? (Choose three.)

- A. Combine vMotion, Management, and vSAN to one VMkernel port.
- B. Configure VLANs to create separate networks.
- C. Purchase hardware that supports a greater number of network ports.
- D. Utilize Private VLANs.

Correct Answer: BCD

QUESTION 5

A customer has storage arrays from two different storage vendors at two different sites. The customer wants to restore operations at the secondary site in the event of a disaster.

Which VMware technology must be used to meet this requirement?

- A. vSphere replication
- B. vSphere Data Protection
- C. array-based replication
- D. vSphere Fault Tolerance

Correct Answer: A

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