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VMware Certified Advanced Professional 6.5 – Data Center Virtualization Design Exam

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QUESTION 1

A company is conducting a technology refresh and has requested assistance with a vSphere 6.5 design.

1.

The company has a corporate headquarters and two data centers strategically placed around the country, which provide the bulk of the computer power and storage for their customer-facing stores.

2.

The company requires each of its stores to be able to operate independently if connectivity is ever lost.

3.

Presently, all stores are configured differently and must be standardized as part of the technology refresh

4.

To support store operations, only a dozen applications are required.

5.

Any downtime during store hours could result in significant losses.

6.

Any proposed design must minimize cost.

What is a VMware-recommended option for this scenario?

A. VMware vSAN cluster with a minimum of three hosts

B. VMware vSphere cluster with low-cost iSCSI shared storage

C. VMware vSAN Stretched Cluster with nearest regional data center

D. VMware vSAN Remote Office Branch Office (ROBO) with two hosts

Correct Answer: D

Reference: https://www.vmware.com/files/pdf/products/vsan/vmware-vsan-robo-solution-overview.pdf "The use of a virtual appliance as a witness host eliminates the need to deploy a third physical server, whichreduces the overall cost of the solution without sacrificing the benefits of shared storage." "By default, a replica isplaced on each host of the 2-node configuration. If one of the physical hosts is offline, it is still possible forvirtual machines to run using replicas located on the other physical node. In the case where the hosts in a 2

node cluster are unable to communicate across the network, the witness host serves as a "tie-breaker" toachieve a quorum and maintain data accessibility and integrity." VSAN Robo satisfies requirements 2,5,6.

QUESTION 2

You have been tasked with creating a vSphere 6.5 design for an organization. The organization has a mission critical

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application that must be able to obtain its required CPU and memory resources even if contention occurs. You must

determine which vSphere service(s) will allow for resources to be reserved.

Associate the vSphere Service on the left with the corresponding Reservation Type on the right by dragging the red button (S1-S6) over the text of the Reservation Type.

NOTE: A vSphere Service may allow for more than one Reservation Type or none at all.

Select and Place:

	vSphere Service	Reservation Type
S1	vSphere HA	Fully reserved guest CPU
S2	vSphere DRS	
S3	Vmware Fault Tolerance	
S4	Virtual NUMA (vNuma)	Fully reserved guest RAM
S5	Storage I/O Control	
S6	vMotion	

Correct Answer:

	vSphere Service	Reservation Type
S1	vSphere HA	Fully reserved guest CPU
S2	vSphere DRS	S1 S6
S3	Vmware Fault Tolerance	S3 S5
S4	Virtual NUMA (vNuma)	Fully reserved guest RAM
S5	Storage I/O Control	S1 S3
S6	vMotion	S2 S6

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QUESTION 3

DRS/HA cluster services depend on which two resources? (Choose two.)

A. Management network

B. vMotion network

C. Network Time Protocol

D. Domain Name Services

Correct Answer: AB

QUESTION 4

A customer has storage arrays from two different storage vendors at two different sites. The customer warts 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

QUESTION 5

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