3V0-624Q&As

VMware Certified Advanced Professional 6.5 – Data Center Virtualization Design Exam

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QUESTION 1

Customer Requirements:

You have been tasked with creating a vSphere 6.5 data center design for an organization. The organization has produced two 24 port FC switches, and Asymmetrical Active/Active storage array (2 storage Processors with 4 ports each) and 22 ESXi Hosts with 2 dual port HBAs in each. Due to budgetary constraints, the organization cannot purchase anymore equipment. They have provided the following requirements:

- The existing Fibre Channel (FC) Asymmetrical Active/Active Array and FC switches must be used.

-No single point of failure to any datastore.

-Configuration must provide failover and load balancing.

- The customer requires a solution that will accommodate virtual machines with three different I/O load requirements:

-Static web virtual machines

-Critical application virtual machines.

-Object storage for their database virtual machines.

Design Requirements:

Create a logical design that be applied to each of the ESXi Hosts. The design should meet, but not exceed the customer\\'s requirements and should include:

-

All required hardware

-

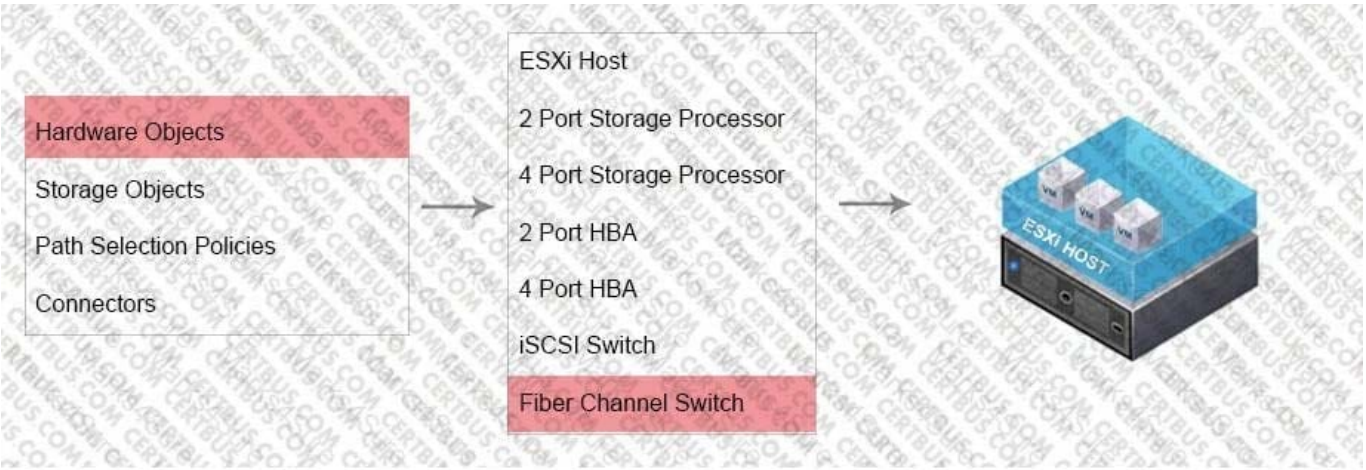
All required resources

A.

Check the answer in explanation.

Correct Answer: A

Place the required datastore(s) in the storage array(s). Connect the storage processor(s) to the storage array(s). Connect the switch(es) to the storage processor(s) and HBA(s). Connect the ESXi host to the HBA(s) and Path Selection Policies.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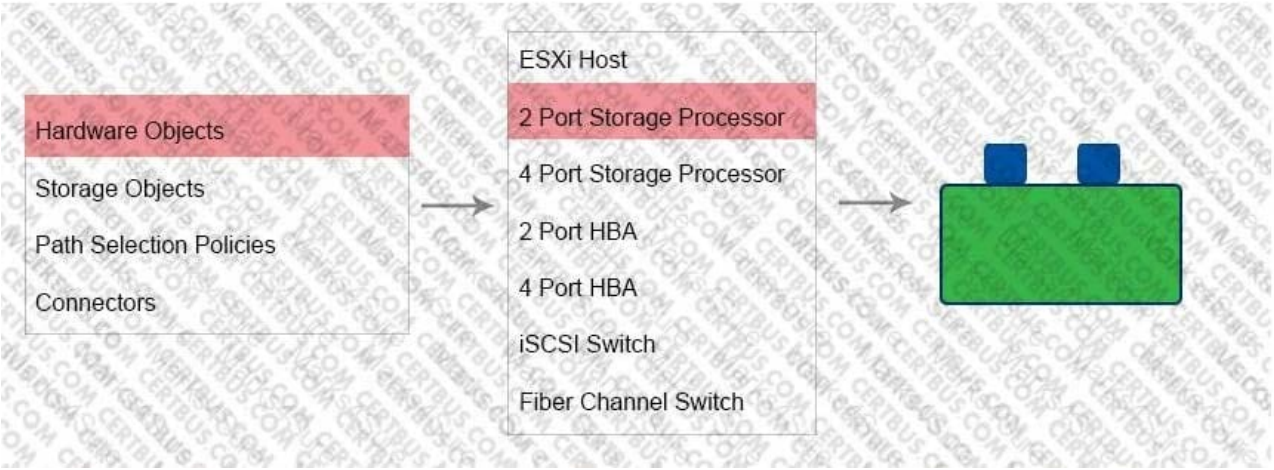
2 Port HBA
4 Port HBA
iSCSI Switch
Fiber Channel Switch
ESXI HOST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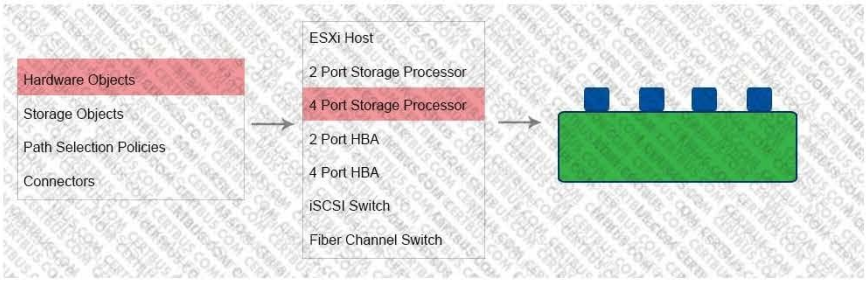
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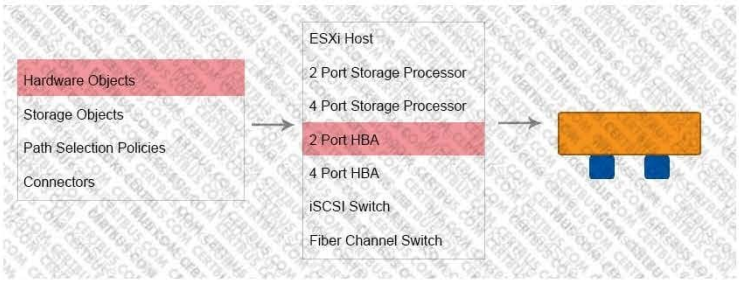
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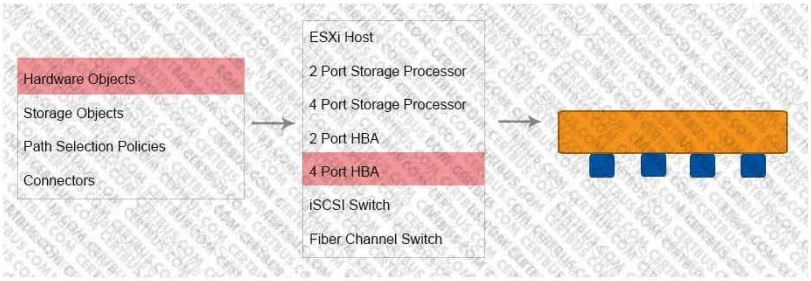
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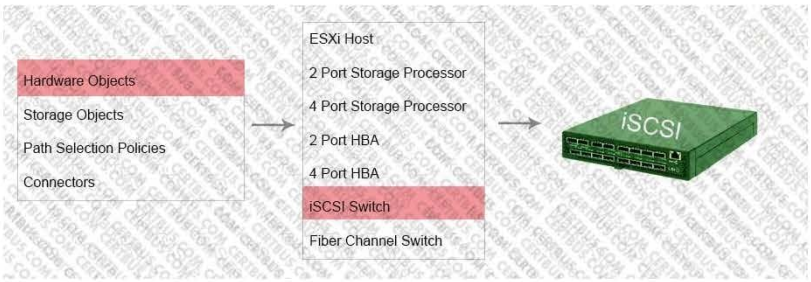
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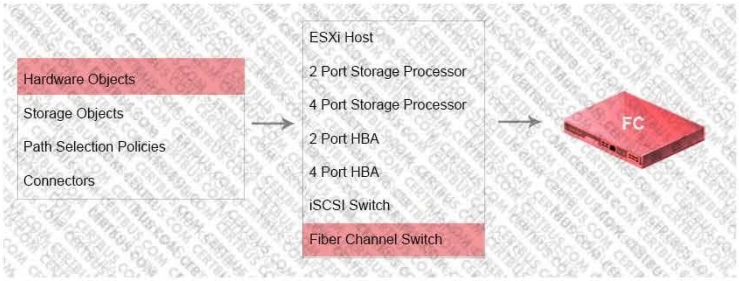
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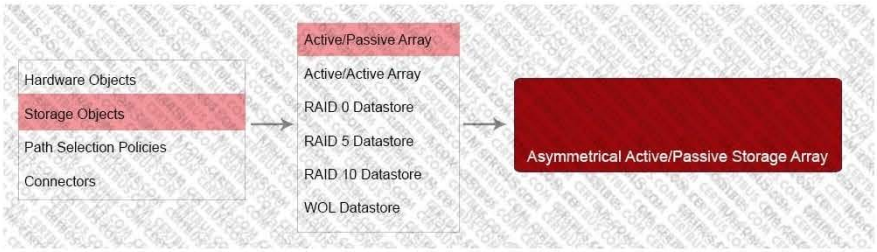
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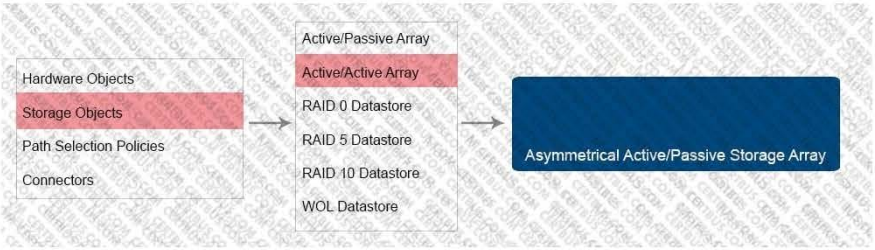
RAID 5 Datastore
RAID 10 Datastore
WOL Datastore
Asymmetrical Active/Passive Storage Array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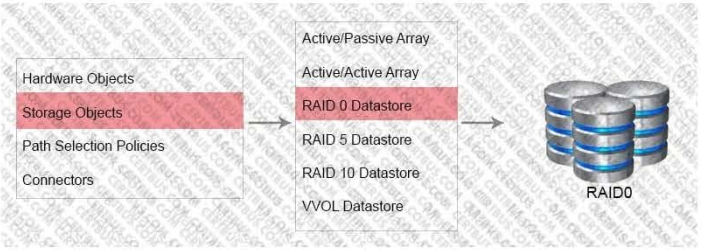
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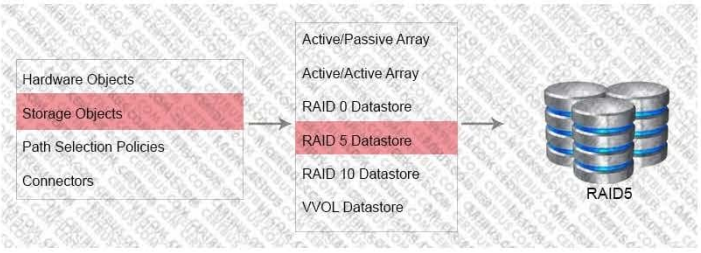
RAID 10 Datastore
VVOL Datastore
RAID0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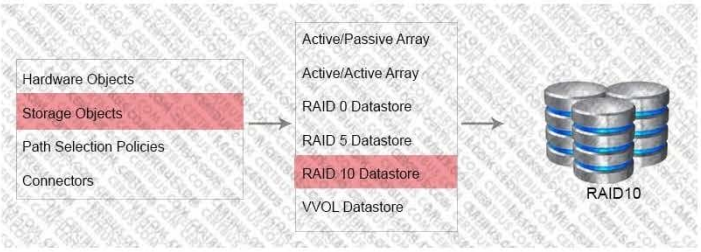
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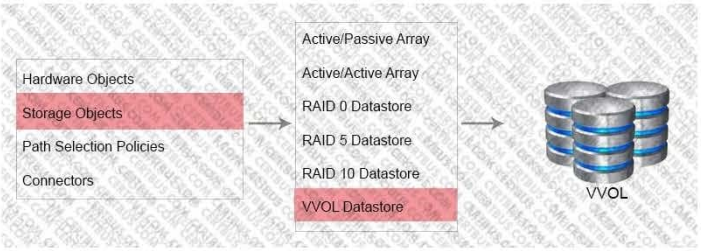
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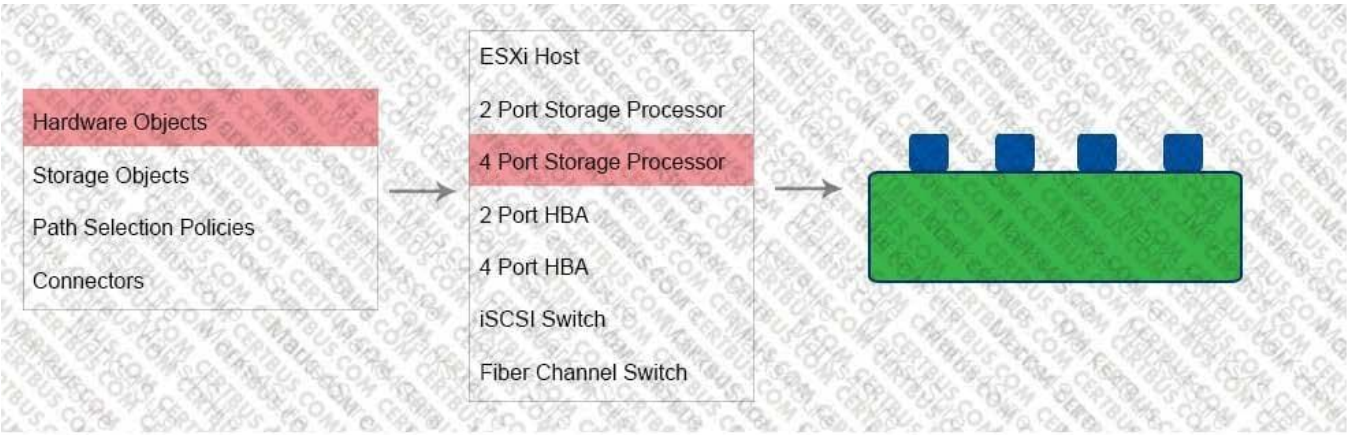
RAID 10 Datastore
VVOL Datastore
VVOL

Hardware Objects
Storage Objects
Path Selection Policies
Connectors
Fixed PSP
Most Recently Used PSP
Round Robin PSP
FIXED

Hardware Objects
Storage Objects
Path Selection Policies
Connectors
Fixed PSP
Most Recently Used PSP
Round Robin PSP
MRU

Check below for answer solution: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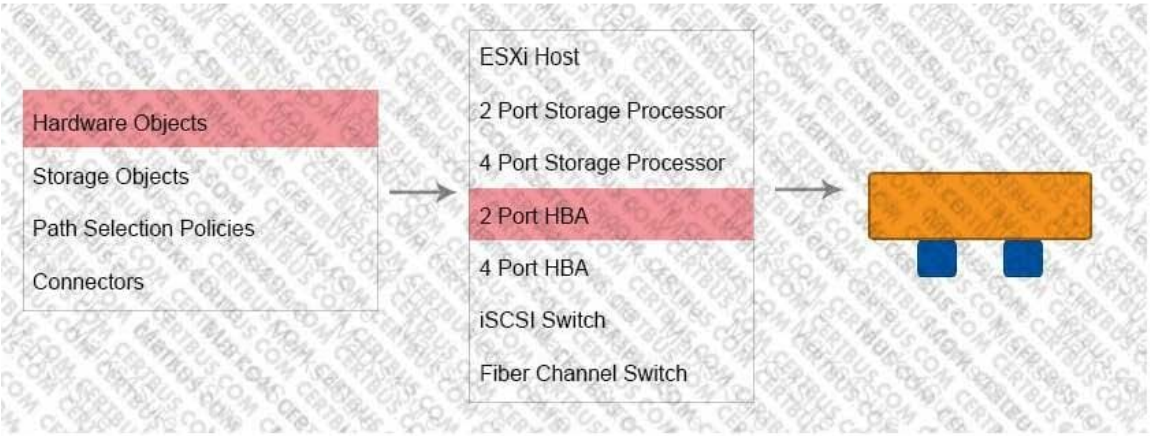
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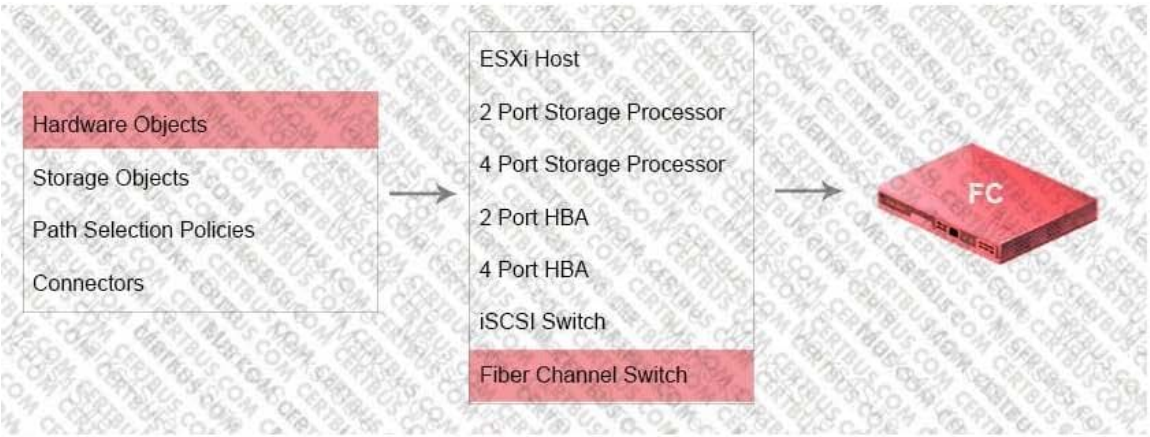
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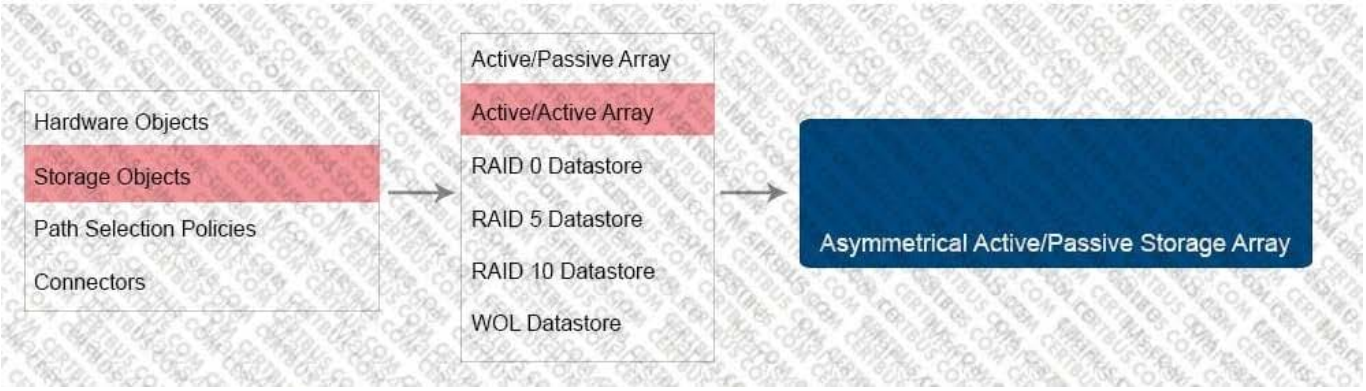
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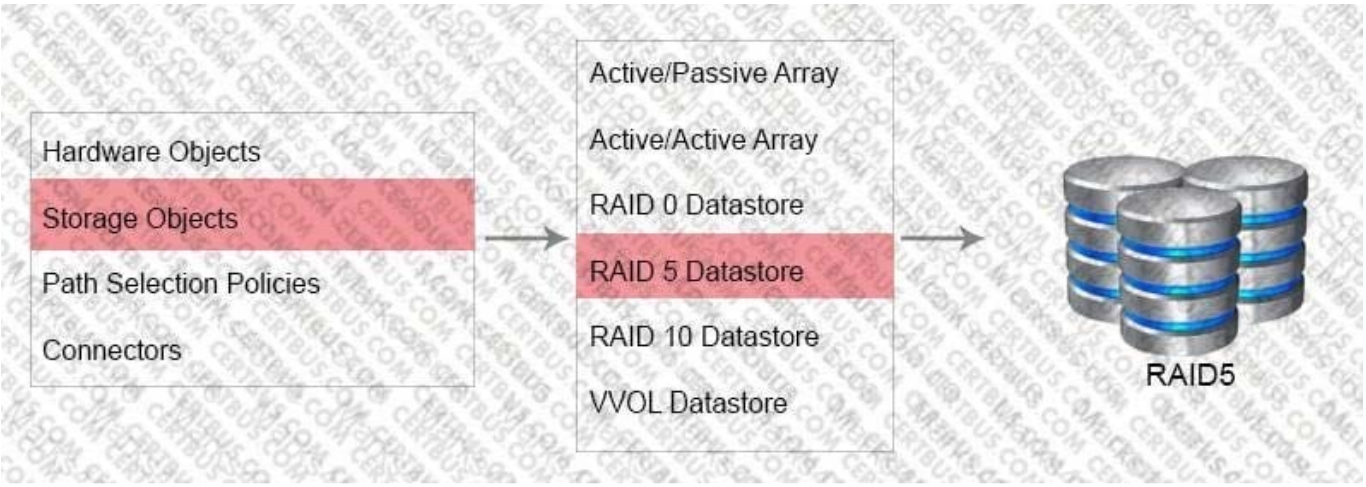


QUESTION 2

A global financial company has requested assistance with a new cross-site failover design between two sites which will support business critical applications. Latency between the sites is less than 5ms round-trip. The company requires:

1.

application must be restarted quickly in the event of a total site failure

2.

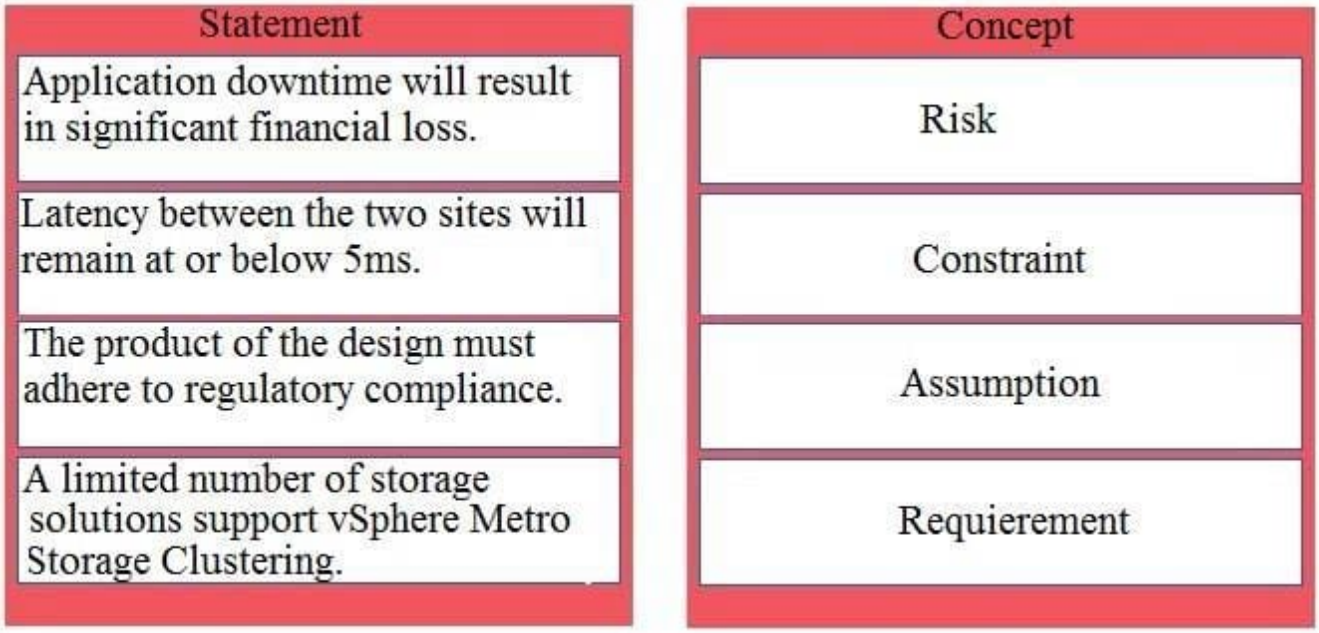
allow for planned migration during maintenance

3.

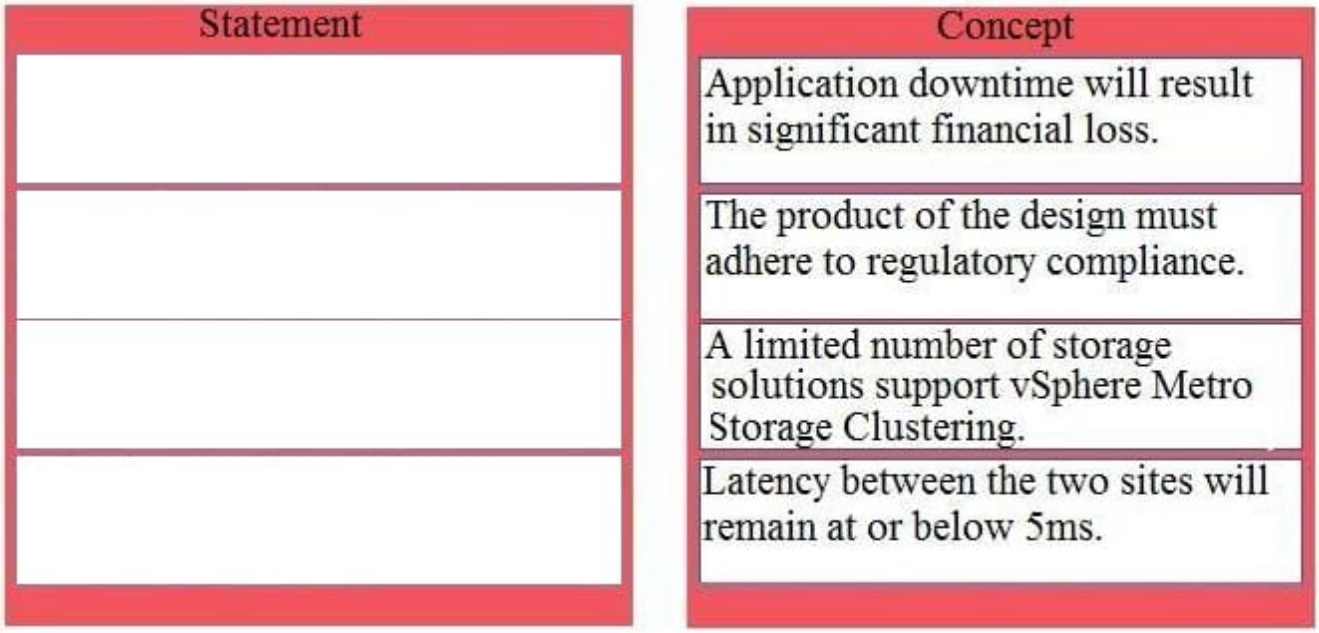
applications must be kept online even when migrated due to planned maintenance

Drag each statement to its correct concept

Select and Place:



Correct Answer:



QUESTION 3

A customer has requested a high availability option for its data center in the event of power failure and the loss of connectivity to a virtual machine. Which three vSphere features support fault tolerance? (Choose three.)

A. HA

B. Virtual volume datastore

C. vMotion

D. Storage-based policy management

E. DRS

F. Virtual machine snapshots

Correct Answer: ACE

A, C, E are correct as in fact they are cluster requirements for FT

https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.avail.doc/GUID-83FE5A45-8260-436B-A603-B8CBD2A1A611.htmlE is partially correct as well, as "You can use vSphere Fault Tolerance with DRS only when the EVC feature is enabled. This process allows fault tolerant virtual machines to benefit from better initial placement." https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.avail.doc/GUID-59EA59EB-C60F-4815-AE2E-7A38506C516C.html

QUESTION 4

The hardware operations team is planning to purchase new ESXi hosts for the upcoming budget year and is requesting recommendations on the type of servers to purchase for a web application. The web application consists of hundreds of small virtual machines (1 vCPU and 8GB of RAM) that are members of a software cluster.

The solution should have these abilities:

1.

recover from ESXi host hardware failures

2.

zero downtime for a limited number of critical virtual machines (VMs)

3.

migrate running VMs between ESXi hosts without interruption to the operating system

4.

perform these functions using VMware ESXi servers, vCenter Server, and high-speed network interfaces

What are the three functional requirements and their associated VMware technologies? (Choose three.)

A. automatic restarts of failed VMs (vSphere HA)

B. high speed network interfaces (vSphere Distributed Switches)

C. ability to migrate running VMs (vSphere vMotion)

D. fault tolerance for limited number of critical VMs (vSphere FT)

E. VMware ESXi Servers (vSphere Auto Deploy)

Correct Answer: ACD

They need vSphere HA to recover VM\\'s (web applications) from hardware failure.

They need vMotion to move VM\\'s between hosts without interruption to OS.

They need zero downtime of Fault Tolerance (Supports up to 4 vCPU and 64GB RAM on 6.5) to support critical VM\\'s.

There is no mention of a need for Distributed Switches (Standard Switches would meet requirements) and no mention of requirements for deployment of ESXi (Auto Deploy).

QUESTION 5

Customer Information The Customer Labtown has a new vSphere 5 environment with one of their line of business applications recently being virtulized. Labtown requires that their Webserver, Database Server, and Fileserver for their line of business app be

created into a vAPP. The VM\\'s should start up in a specific order to insure the application starts correctly after an outage or reboot. Labtown also wants the best performance possible out of each VM. There is three hosts in the cluster each running the same CPU and Memory specifications. each host is running at 60% utilization right now. Labtown doesn\\'t have any budget for more hosts. Create a logical vAPP design for Labtowns Line of Business Application Requirements

-

The server must boot in the following order: DB, Fileserver, WebServer

-

Each VM must perform the best it can with the current cluster configuration Instructions

-Place the three VM\\'s on the vAPP

-

Place the boot order boxes ontop of each VM to indicate the VM\\'s boot order

-

Place the VM stencil for each VM in the DRS rules section if you wish to apply DRS rules to the design

-

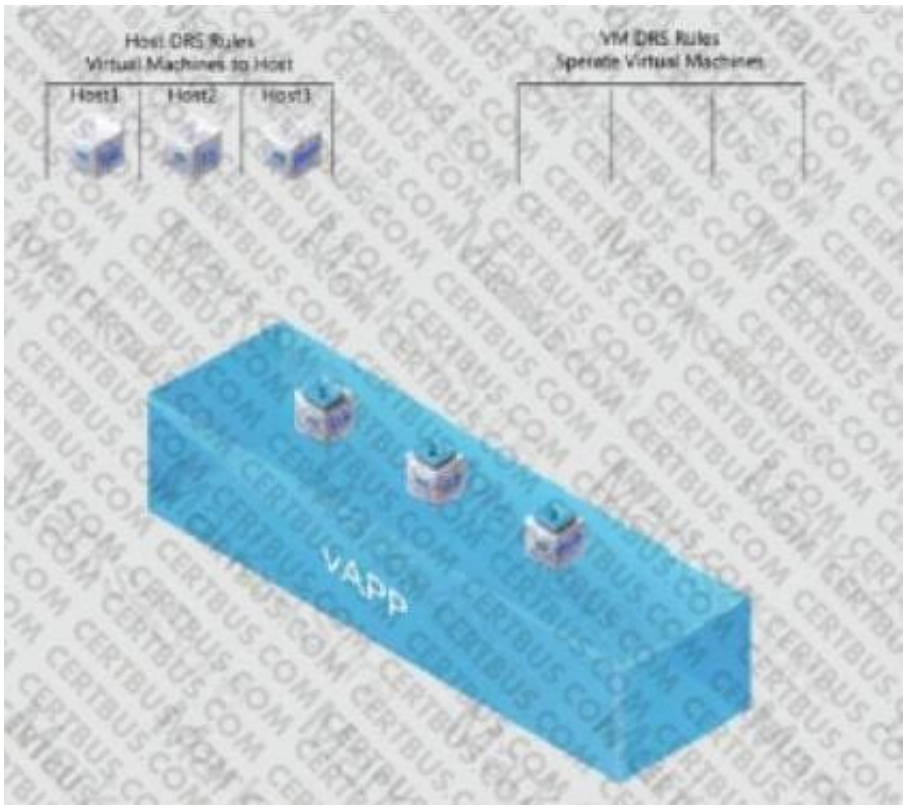
As long as VM\\'s are on the vAPP stencil marks will be scored See the solution below

A.

Check the answer in explanation.

Correct Answer: A

Check below for answer solution:



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