

## 3v0-624 Dumps

# VMware Certified Advanced Professional 6.5 - Data Center Virtualization Design Exam

<https://www.certleader.com/3v0-624-dumps.html>



### NEW QUESTION 1

A development team must provide layer 2 network isolation between virtual machines that are in the same VLAN. The solutions architect must provide additional security between the virtual machines on the same subnet.  
How can this be done without consuming more VLANs?

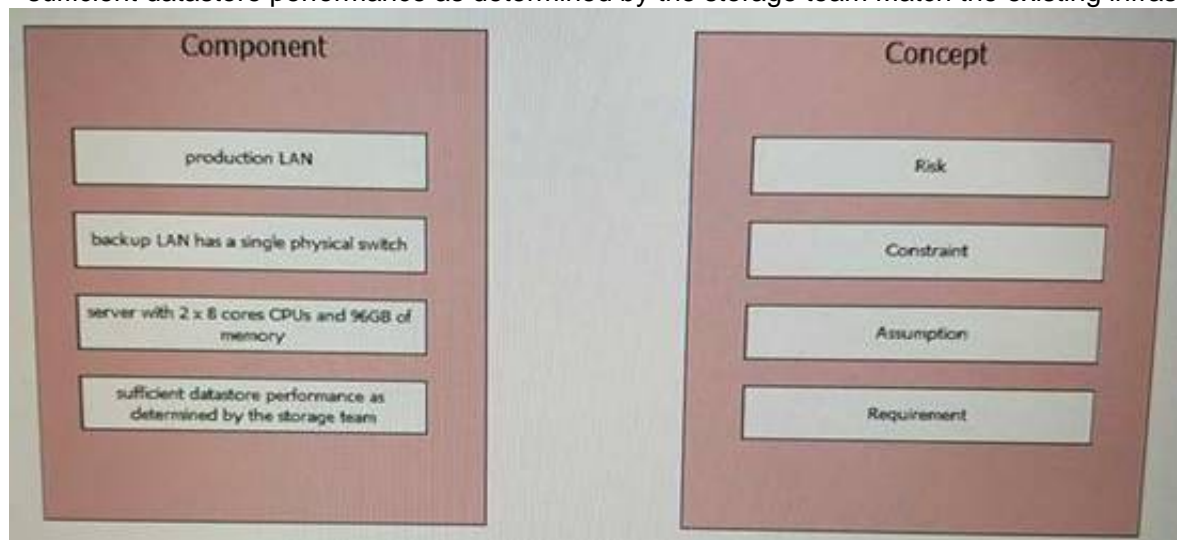
- A. Use Virtual Switch Tagging
- B. Use Private VLANs.
- C. Use Virtual Guest Tagging.
- D. Use External Switch Tagging.

**Answer:** B

### NEW QUESTION 2

A company would like to utilize its current infrastructure but wants to adopt virtualization to consolidate its environment. Currently, the infrastructure contains:

- server with 2 x 8 cores CPUs and 96GB of memory
  - backup LAN with a single physical switch
  - production LAN
  - sufficient datastore performance as determined by the storage team
- Match the existing infrastructure component to its appropriate concept.



**Answer:**

**Explanation:** Risk = Backup LAN has a single physical Switch  
Constraint = Server with 2x8 Core CPU with 96 GB  
Assumption = Sufficient datastore performance as determined by storage team  
Requirement = Production LAN

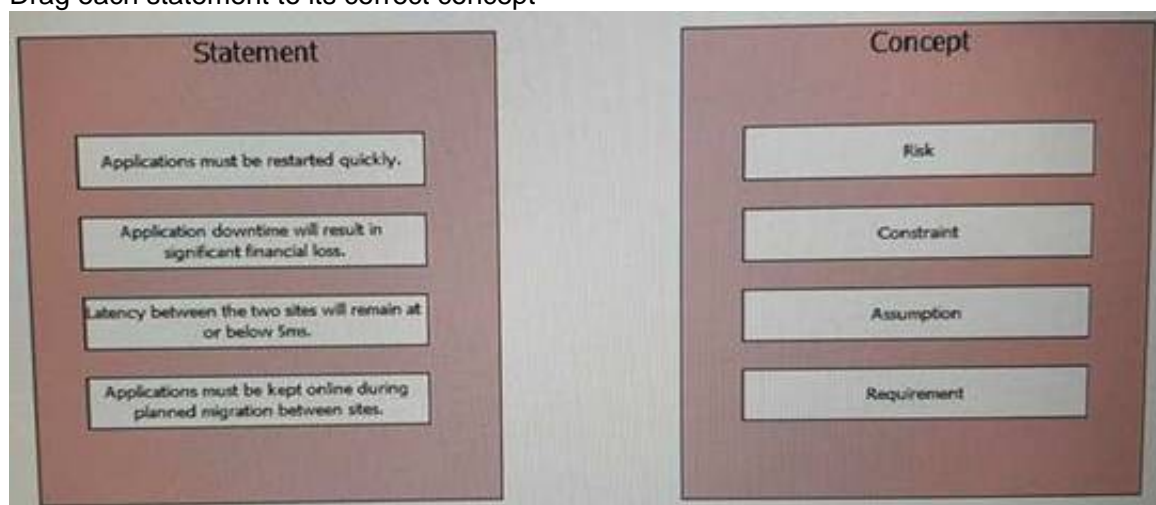
### NEW QUESTION 3

A 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:

- application must be restarted quickly in the event of a total site failure
- allow for planned migration during maintenance
- applications must be kept online even when migrated due to planned maintenance

Drag each statement to its correct concept



**Answer:**

**Explanation:**



#### NEW QUESTION 4

A company has requested assistance with a new cross-site failover design to support business-critical applications.

- It has two sites when are very well-connected, and latency is less than 5ms round trip.
- The customer requires that its applications be restarted even in the event of a total site failure.
- The applications must be kept online even when migrated during maintenance.
- Storage arrays at either site support both synchronous and asynchronous replication. Which two options are accurate application requirements for this scenario? (Choose two.)

- A. The design must ensure continuous application uptime even during a total site failure.
- B. The design must prioritize application availability.
- C. The design must ensure application recoverability at the second site.
- D. The applications are latency-sensitive.

**Answer:** BC

#### NEW QUESTION 5

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

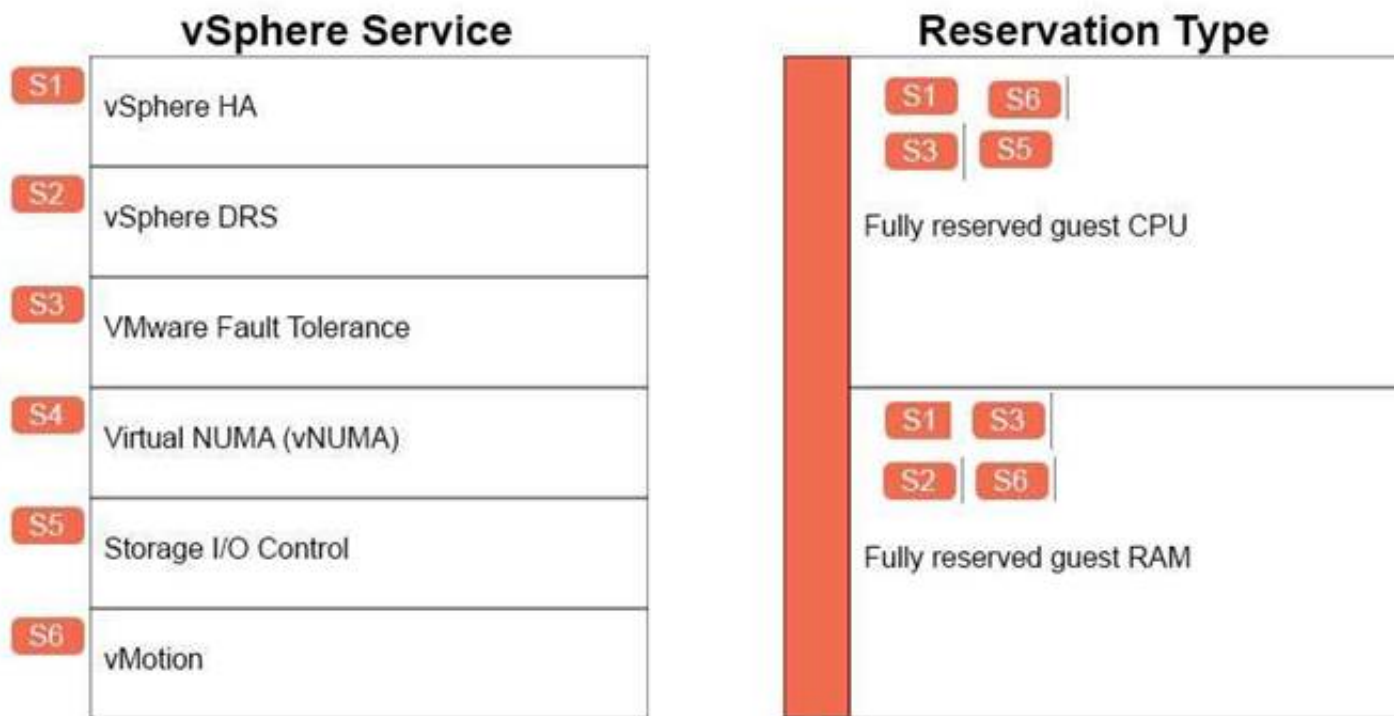
Associate the vSphere Service on the left with the corresponding Reservation Type on the right by dragging the red button (S1-S6) over the text of the Reservation Type.

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

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

**Answer:**

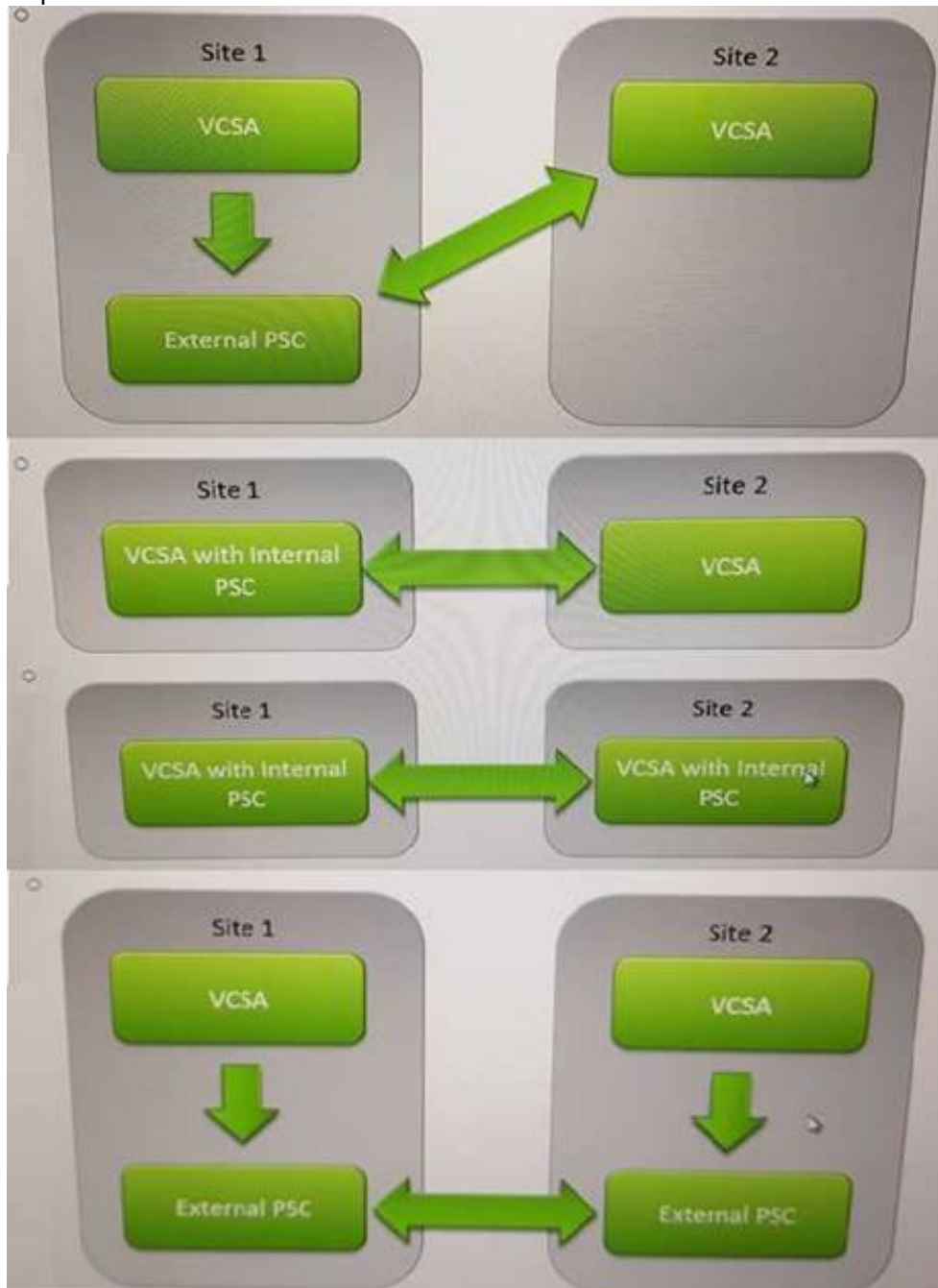
**Explanation:**



#### NEW QUESTION 6

The customer has two sites that must operate independently of each other in the event of a WAN failure. During normal operations, administrators from each site must be able to manage the other site through the vSphere Web Client.

Which vCenter Server Appliance (VCSA) and Platform Services Controller (PSC) diagram shows the VMware-recommended design that satisfies these requirements?



- A. Exhibit A
- B. Exhibit B
- C. Exhibit C
- D. Exhibit D

**Answer:** D

**Explanation:** <https://www.opvizor.com/understanding-the-impacts-of-mixed-version-vcenter-server-deployments/>

#### NEW QUESTION 7



A customer wants to virtualize an Oracle database with vSphere 6.5, but is concerned about its performance. Which three design elements will ensure optimum performance? (Choose three.)

- A. Share as much memory as possible with the balloon driver.
- B. Use VMXNET3 for the network adapter.
- C. Create affinity rules for the virtual machine to a single physical socket.
- D. Use VMware Paravirtual SCSI adapters for data and log vDisk.
- E. Enable Hyper-Threading

**Answer:** BDE

#### NEW QUESTION 8

A company is implementing a new ESXi host cluster at its New York data center.

- The CIO has stated that the new ESXi cluster should be designed with enough failover capacity to sustain two ESXi host failures.
- Six ESXi hosts have been approved for this workload.
- The ESXi hosts are to be purchased from Dell with these specifications:
  - 2x10 core 2.2GHz Intel CPU
  - 128 GB of memory
- The workload is defined as 150 employee desktop virtual machines each with 3GB RAM reserved.
- All virtual machines should be protected by vSphere High Availability Which are two true statements regarding failover capacity? (Choose two.)

- A. vSphere HA can be configured to reserve 25% of memory capacity for failover.
- B. vSphere HA can be configured to specify two dedicated failover hosts.
- C. vSphere HA can be configured to reserve 35% of memory capacity for failover.
- D. vSphere HA can be configured to specify one dedicated failover host.

**Answer:** BC

#### NEW QUESTION 9

A solution architect has been tasked with designing a new environment that meets the needs of a growing company, and has obtained this information:

- The current capacity will be exhausted in 180 days, and the new infrastructure must be deployed and in production prior to that.
- The new servers have a 90-day delivery time.
- A data center for disaster recovery has been selected, and it is 20 miles away and connected by MPLS.
- The security team will continue to utilize its current investments and VM Encryption for the new environment.
- The backup team currently uses Data Domain, and reports show an 8:1 compression and deduplication ratio for backups.

Based on the information obtained, which two statements are risks for the new design? (Choose two.)

- A. MPLS will be used to connect the two data centers.
- B. The Change Advisory Board will approve all changes.
- C. Current backup space will not be sufficient if using VM Encryption.
- D. The current firewalls will support the additional workloads.

**Answer:** AB

#### NEW QUESTION 10

A company provides critical financial and statistical data for several major banks.

- The company ensures that the bank's customer data is secure and that analytics data is available when needed.
- Customers rely on this data before making crucial business and financial decisions.
- Just a few minutes of downtime can result in loss of revenue and trust.
- To meet high-availability requirements, the company's IT infrastructure components must be redundant.
- The company established three data centers across the globe and interconnected them with high-speed WAN links.
- Due to the rapid growth of its customers and their increasing demands, the compute, network, and storage were procured and managed by the company's enterprise system administrators group. What are its two key challenges? (Choose two)

- A. Data centers across the globe possess manageability problems.
- B. Availability of business applications must be ensured.
- C. Regulatory requirements must be met.
- D. Hardware-defined data centers have limitations.

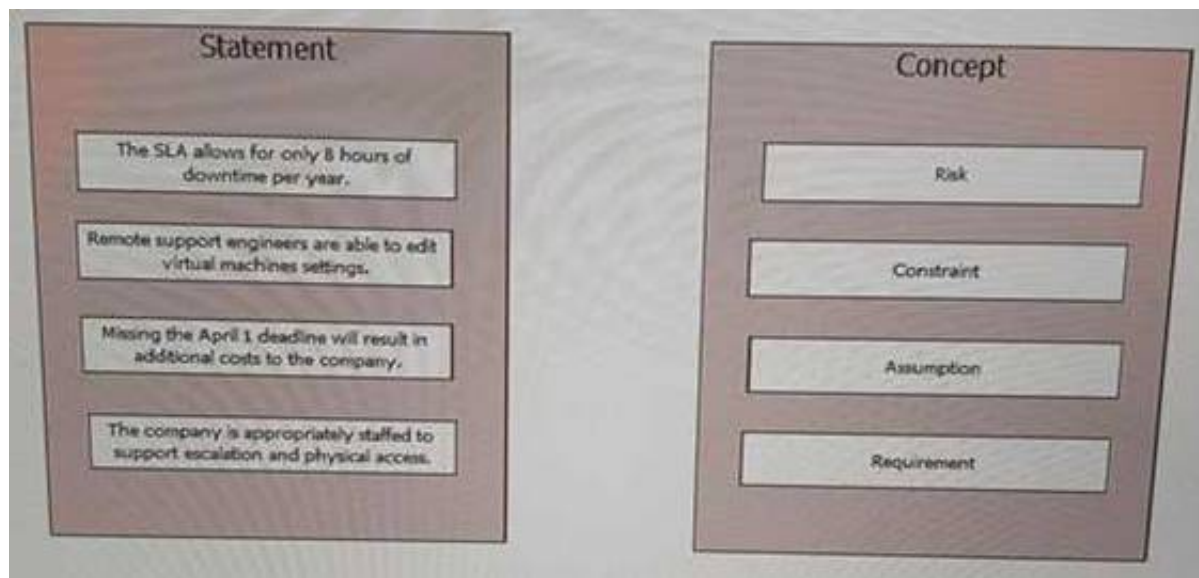
**Answer:** AD

#### NEW QUESTION 10

A company is outsourcing its support operations to an external service provider and plans to complete the project by April 1.

- The external Support engineers must have the ability to power cycle, create, and edit virtual machines settings within their assigned vSphere site.
- The company maintains three vCenter servers in Enhanced Linked Mode that are run as virtual machines in the supported infrastructure.
- The vCenter servers will be supported by the external service provider.
- Each vCenter server is connected to its own local Platform Services Controller and MSSQL database server.
- The company will provide escalation support and physical access on a per request basis.
- 99.9% ESXi host uptime is required in this environment, but no SLA has been specified for the hosted applications.

Drag each statement to its appropriate concept.



**Answer:**

**Explanation:** Risk --> Missing the April 1 deadline...

Constraint --> Remote support...

Assumption --> The company is...

Requirement --> The SLA allows for..

### NEW QUESTION 13

A company has requested that a new vSphere 6.5 design be created.

- The existing environment consists of 32 vSphere 6.0 hosts attached to an iSCSI storage array.
- The storage arrays contain external customer financial and medical records used by the company's investment and medical services division.

The design must:

- protect the company's existing data center investment
- expand to a second data center site
- introduce process automation
- expand to and fail over to public cloud

Which two non-functional requirements are applicable for this design? (Choose two.)

- A. The product of the design must account for regulatory compliance.
- B. The automation solution must be compatible with the existing equipment.
- C. The product of the design must feature 3DES encryption at the virtual machine disk level.
- D. At least two 10Gbps interfaces must be dedicated to storage on each host.
- E. Every host in the design must have Lockdown Mode enabled for security.

**Answer:** CD

### NEW QUESTION 15

An organization's security policy requires a design where the ESXi hosts will be manageable only through vCenter Server.

Which two security configurations will help meet this requirement? (Choose two)

- A. enable lockdown mode strict
- B. disable DCUI access
- C. enable lockdown mode normal
- D. disable shell access

**Answer:** AD

### NEW QUESTION 17

A number of factors determine how many physical adapters are needed in a host design. Which of the following is not one of them?

- A. Virtual machine size
- B. Amount of bandwidth required
- C. Security requirements
- D. Hardware fault tolerance

**Answer:** A

### NEW QUESTION 19

A company is implementing a new cluster to support its end user desktop workloads.

- The workload is required to support 200 virtual machines.
- Each end-user desktop is configured with two vCPUs, 8GB of RAM, and 40GB of thick-provisioned disk space.
- The architect has expressed concerns that virtual machine swap files will fill the 8.5TB datastore available to the cluster.

Which two strategies would address the architect's concern? (Choose two.)

- A. Configure an additional datastore for snapshot storage
- B. Configure an additional datastore for vswap file storage
- C. Configure each virtual machine with a 4GB memory reservation.
- D. Configure each virtual machine with a 8GB memory reservation.

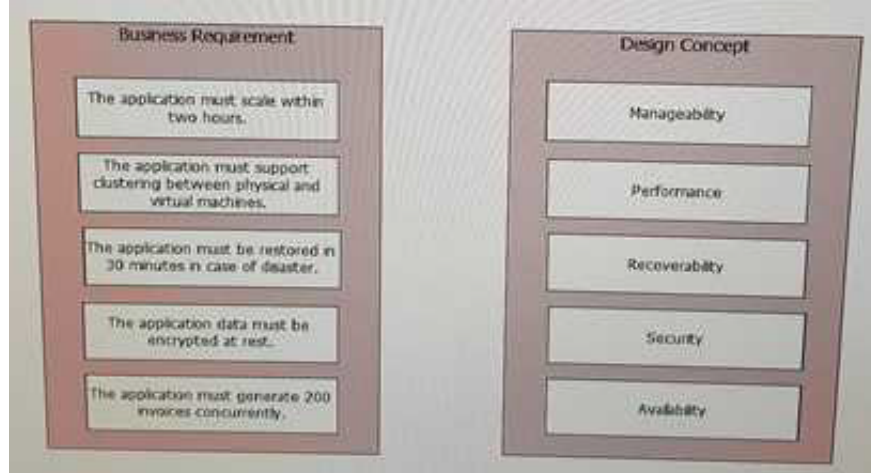
**Answer:** BD

#### NEW QUESTION 20

A leading steel manufacturer relies on SAP for purchase, sales, add invoice processing.

- It is planning to virtualize its servers to reduce CAPEX and OPEX.
- However, its CIO is concerned about the availability, performance, manageability, recoverability, and security for the SAP database and ERP instance.

Match the business requirement with the appropriate design concept.



**Answer:**

**Explanation:** Manageability --> The App must support clustering...Performance --> The App must generate 200...Recoverability --> The App must be restored in 30...Security --> The App data must be encrypted...Availability --> The App must scale within 2h..

#### NEW QUESTION 22

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.

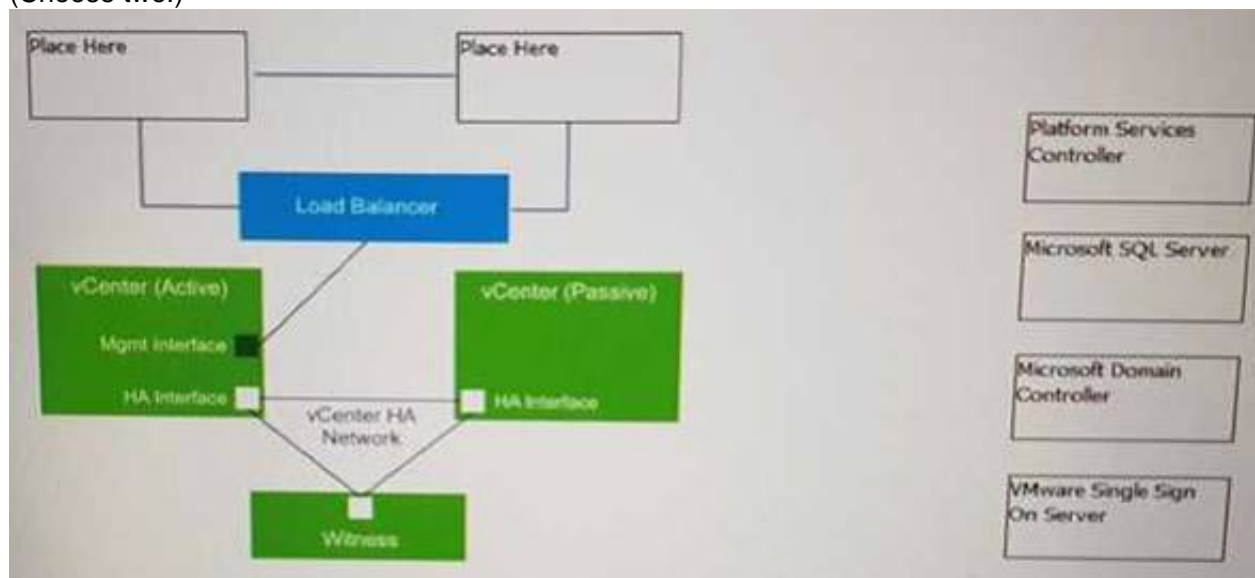
Which VMware technology must be used to meet this requirement?

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

**Answer:** A

#### NEW QUESTION 24

In the vCenter HA configuration below, drag the two correct components to the blank boxes in this diagram. The same component may be used more twice (Choose two.)



**Answer:**

**Explanation:** Platform services controller

#### NEW QUESTION 25

Customer Information

The Customer labtown is looking to purchase a new storage system and has hired you to create a logical design. Labtown requires no single points of failure when it comes to the fabric connecting the storage. Labtown has already decided that the new storage system will be using fibre to re-use as much of the previous hardware as possible to increase ROI. Labtown would also like a tiered disk system broken into three categories with the database sitting in the fastest tier, the two web servers sitting in the medium tier, and the file server sitting in the slowest tier.

Create a logical design for Labtowns new Storage System Requirements

- Create a tiered storage system for Labtown
- No single points of failure
- Insure storage performance SLA's are met with the four line of business VM's

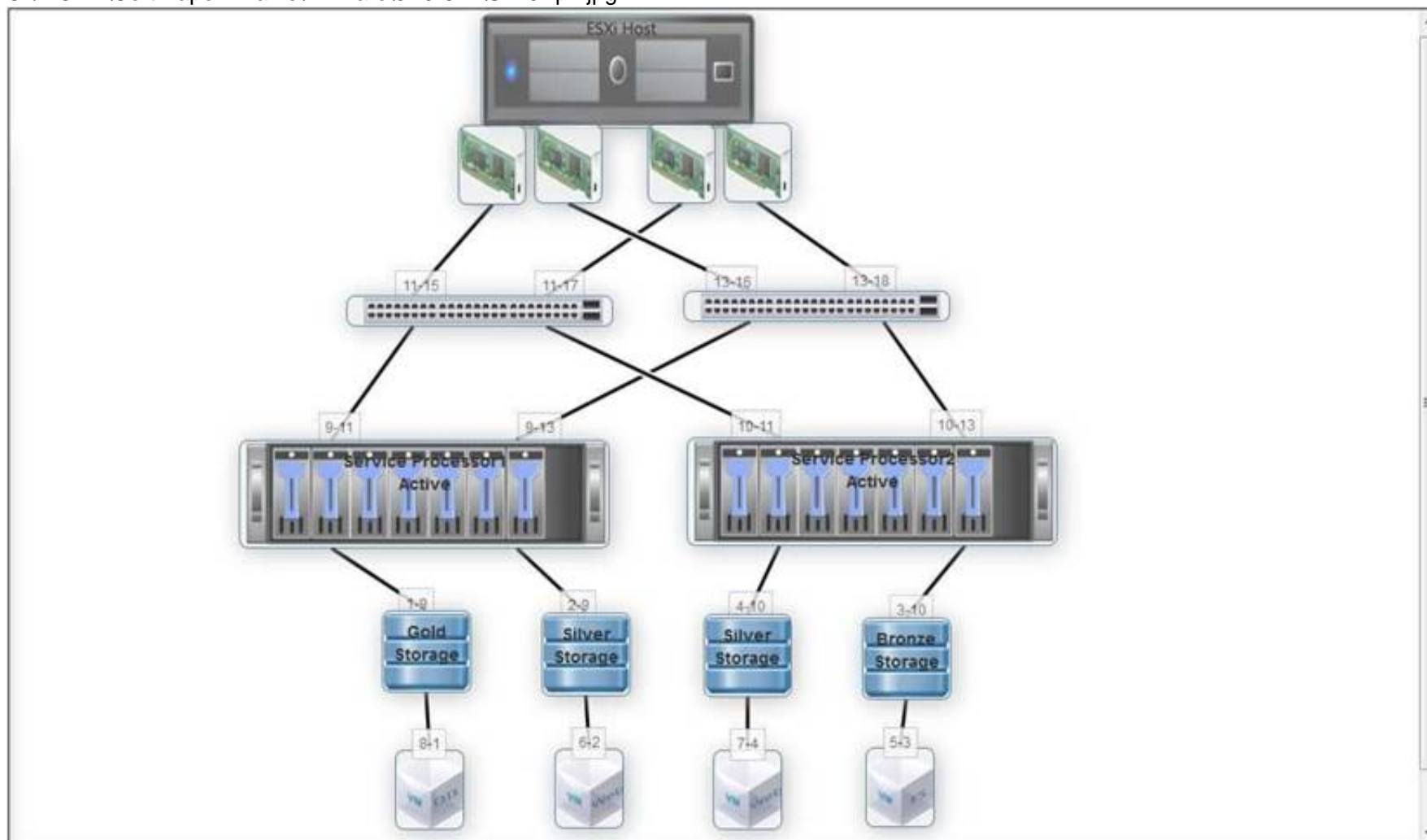


- Place VM's on the bottom of the page and connect them with the connector to the storage LUN they will belong to.
- Connect the storage LUN with the service processor with the connector
- Connect the storage processors to the SAN switch
- Place HBA's just below the host, as long as they are close to the host points will be scored
- Connect HBA's to SAN switches with either the Fixed, MRU, or RR Connector to dictate the PSP Policy for storage on the ESXi host.

**Answer:**

**Explanation:** Check below for answer solution

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#### NEW QUESTION 29

An organization is trying to determine whether it should use the Windows version of the vCenterServer or use the vCenter Server Appliance (VCSA). The organization will be using an external Oracle database, and it will manage about 30 ESXi hosts and about 200 virtual machines on 1 vCenter Server, but it would also like to see another group's vCenter Server from the same vSphere client window. Which type of vCenter Server should it use, and why?

- A. The vCenter Server Appliance (VCSA) because it can be used with Oracle
- B. The VCSA because it can support 30 ESXi hosts
- C. The Windows version because it can support Oracle
- D. The Windows version because it can support Linked mode

**Answer:** A

#### NEW QUESTION 32

A company is in the process of deploying a modern video-streaming application.

- The application is able to scale (expand and collapse) its steaming nodes in the form of CentOS 7.x 64bit virtual machines, based on demand.
- This IO-Intensive application has a high CPU demand and generates a significant number of disk operations (IOPS).
- To host the application, the company decided to implement a brand-new VMware cluster with vSphere 6.5
- The company would like a significant reduction in CPU utilization as well as a possible increase in throughput.

Which virtual disk adapter should be recommended for the company's physical design?

- A. LSI Logic Parallel
- B. VMware Paravirtual
- C. BusLogic Parallel
- D. LSI Logic SAS

**Answer:** B

#### NEW QUESTION 36

You have been tasked with creating a vSphere 6.5 design for an organization. The organization is looking to implement a Virtual SAN into their environment. You have been tasked with determining whether a given Virtual SAN logical design decision meets the technical requirements of their infrastructure.

For each Design Decision on the left drag the red Decision buttons (D1-D8) on the right and place it on the proper Technical Requirement.

NOTE: Not all Design Decisions will be used.



Design Decision		Technical Requirement	
D1	2 each 1 Gbps NICs		Data Availability
D2	2 each 10Gbps NICs		
D3	FTT = 2		Throughput
D4	4 hosts 2U each + 1 Blade server		Write Performance
D5	4 hosts 4U each		
D6	4 hosts 2U each + 2 Blade servers		Cluster Size
D7	Stripe Width = 1		
D8	Stripe Width = 3		

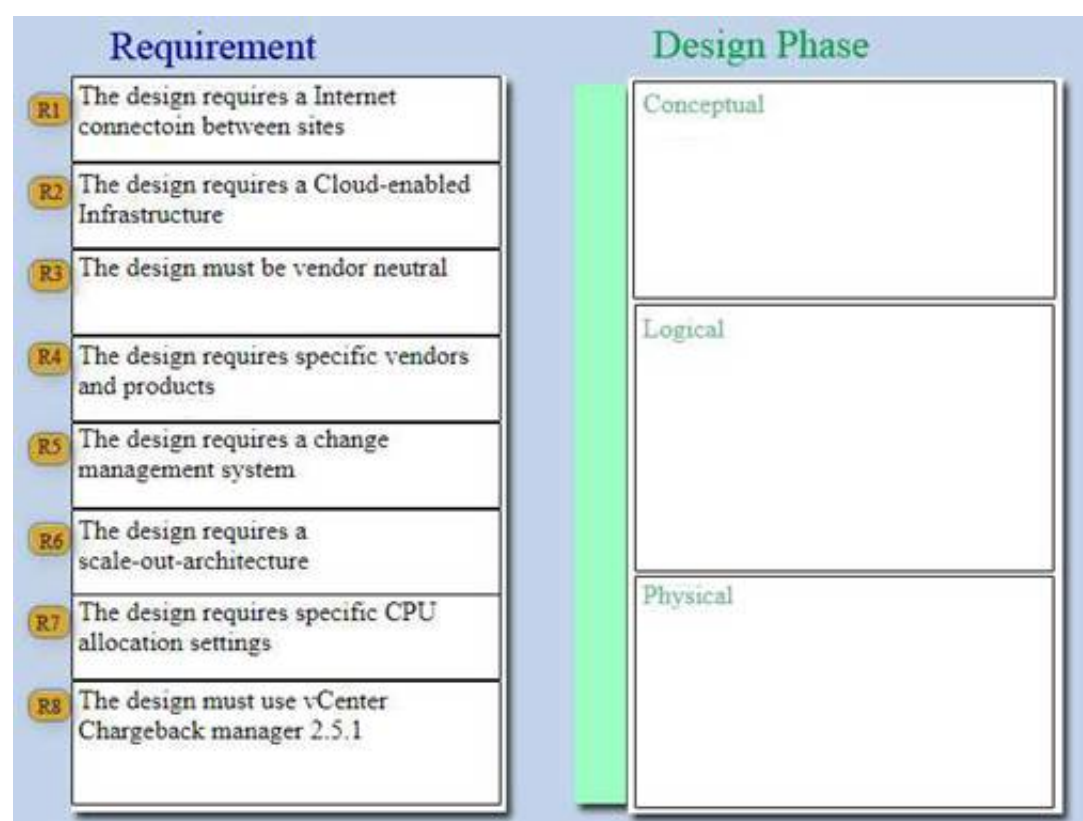
Answer:

Explanation:

Design Decision		Technical Requirement	
D1	2 each 1 Gbps NICs		Data Availability D2 D5 D8
D2	2 each 10Gbps NICs		
D3	FTT = 2		Throughput D2 D6 D7
D4	4 hosts 2U each + 1 Blade server		Write Performance D1 D3 D5
D5	4 hosts 4U each		
D6	4 hosts 2U each + 2 Blade servers		Cluster Size D4
D7	Stripe Width = 1		
D8	Stripe Width = 3		

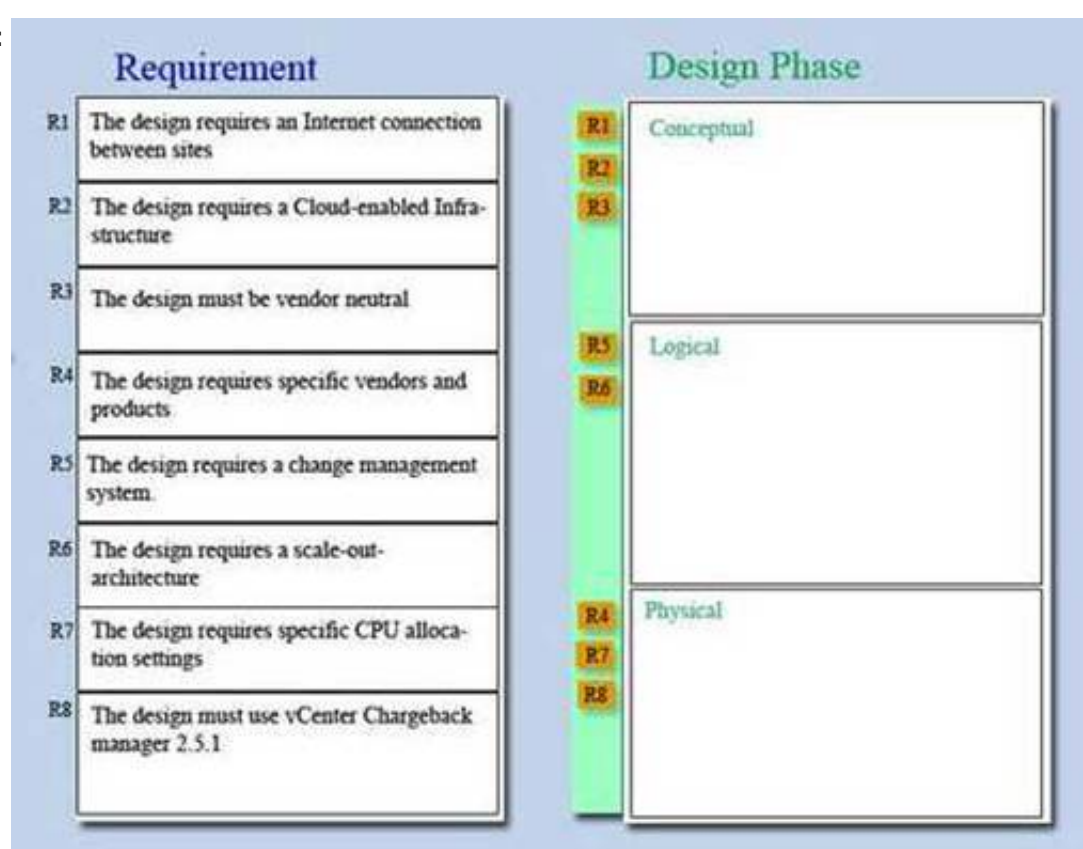
**NEW QUESTION 41**

You have been provided with a list of requirements for a vSphere Design. For each requirement, categorize the requirement as a component of the conceptual, logical, or physical design.  
Drag a requirement button (R1-R8) over to the green space provided beside the corresponding Design Phase.



Answer:

Explanation:



## NEW QUESTION 42

Customer Requirements:

You have been tasked with creating a vSphere 6.5 data center design for an organization. The organization wants three defined virtual machine performance levels:

- Gold Tier – High workload VMs
- Silver Tier – Medium workload VMs
- Bronze Tier – Development workload VMs

The organization has eight ESXi hosts that can be used in the design. Five of the hosts are older “medium performance” hosts, while the last 3 are newer “high performance” hosts that provide better resources when compared to the other hosts. The organization has provided a list of requirements that the design must meet:

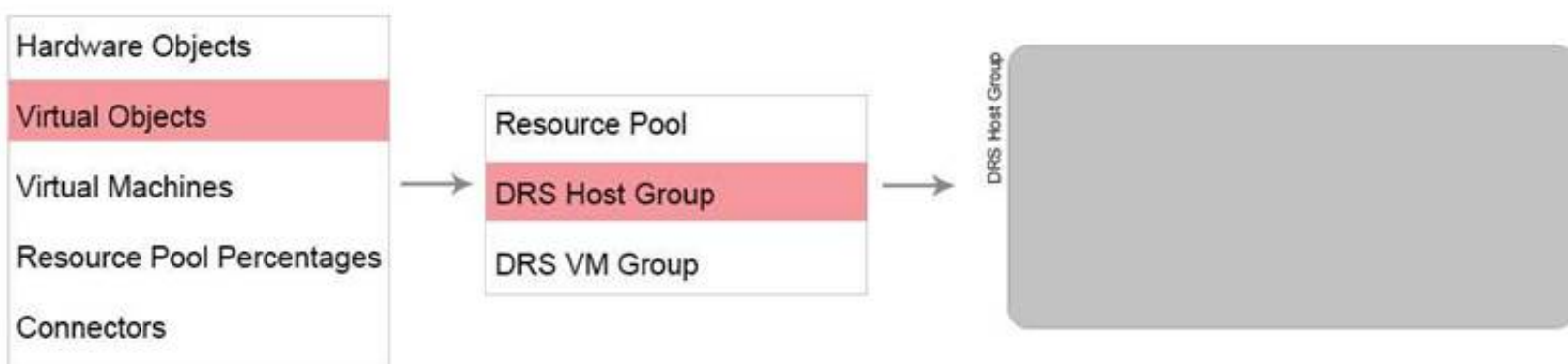
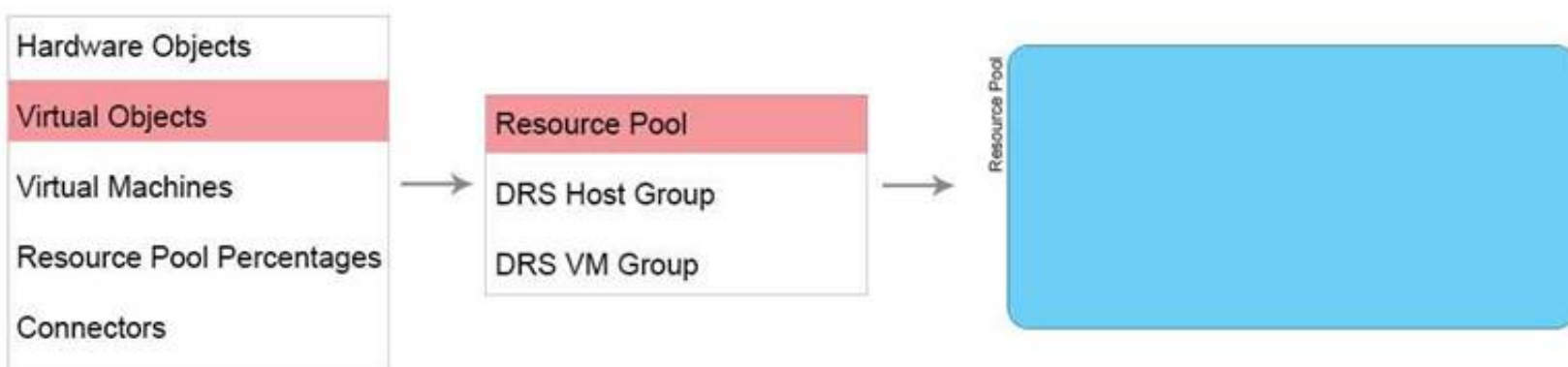
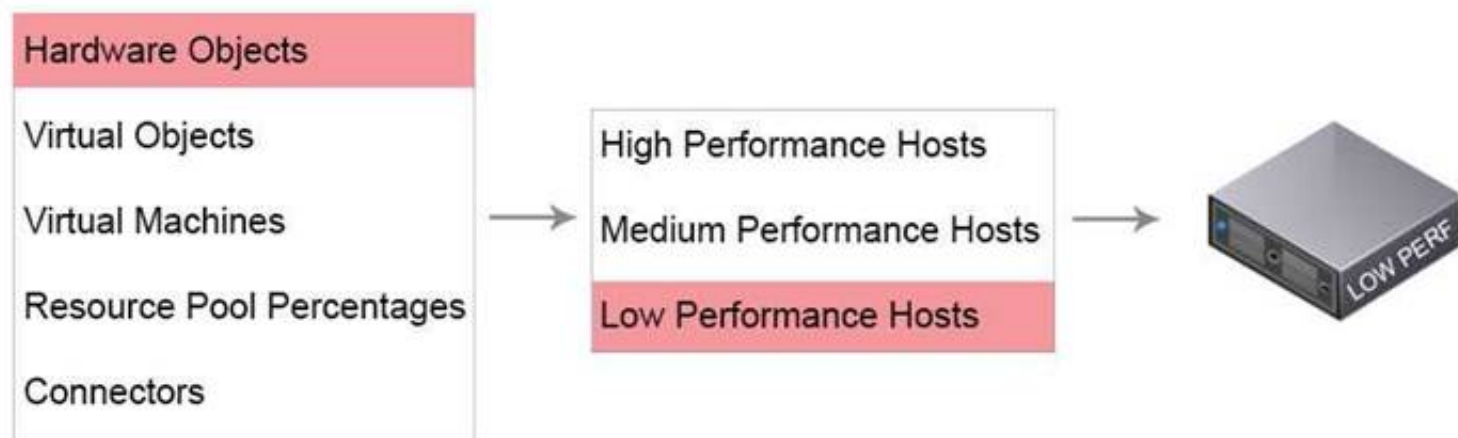
- Gold Tier virtual machines should run only on high performance servers, unless no high performance servers are available. They should also be allocated 75% of overall available resources regardless of placement.
- Silver Tier virtual machines should run only on medium performance servers, unless no medium performance servers are available. They should also be allocated 25% of overall available resources regardless of placement.
- Bronze Tier virtual machines should run only on medium performance servers. They should also receive a 35% subset of resources from those allocated to the Silver Tier.

Design Requirements:

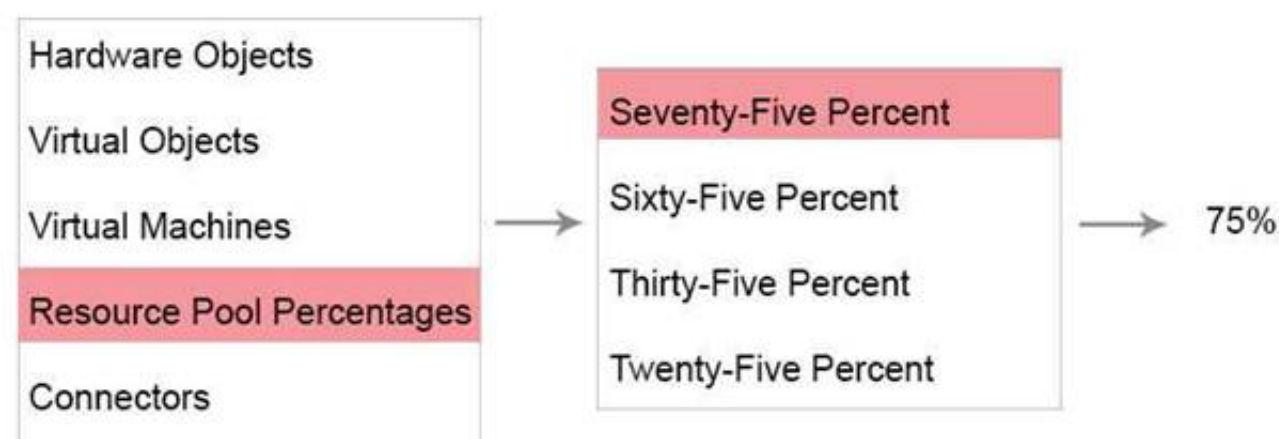
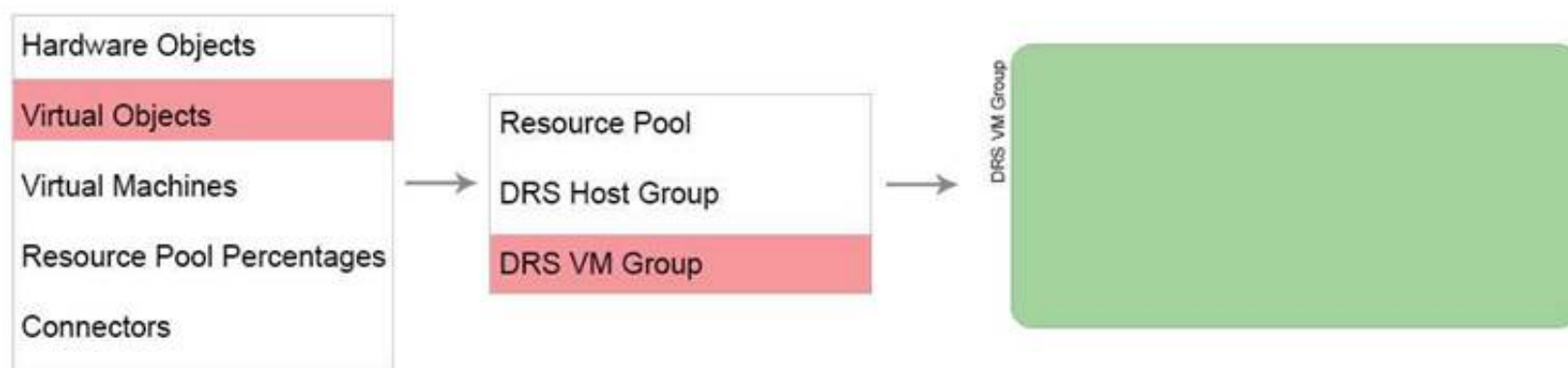
Create a logical design that shows resource allocation and cluster policies needed to meet the customer’s requirements. The design should include:

- All required server(s)
- All required resource(s)

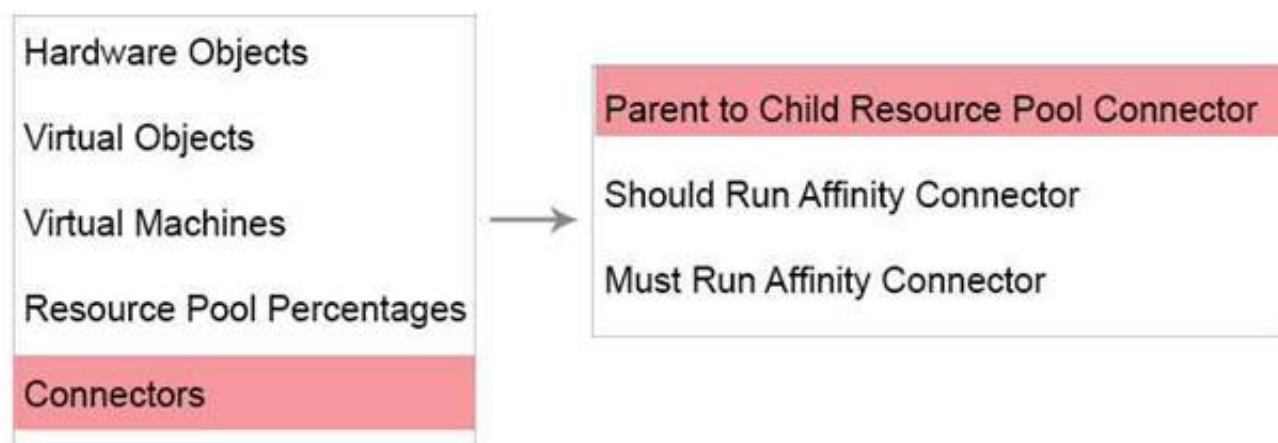
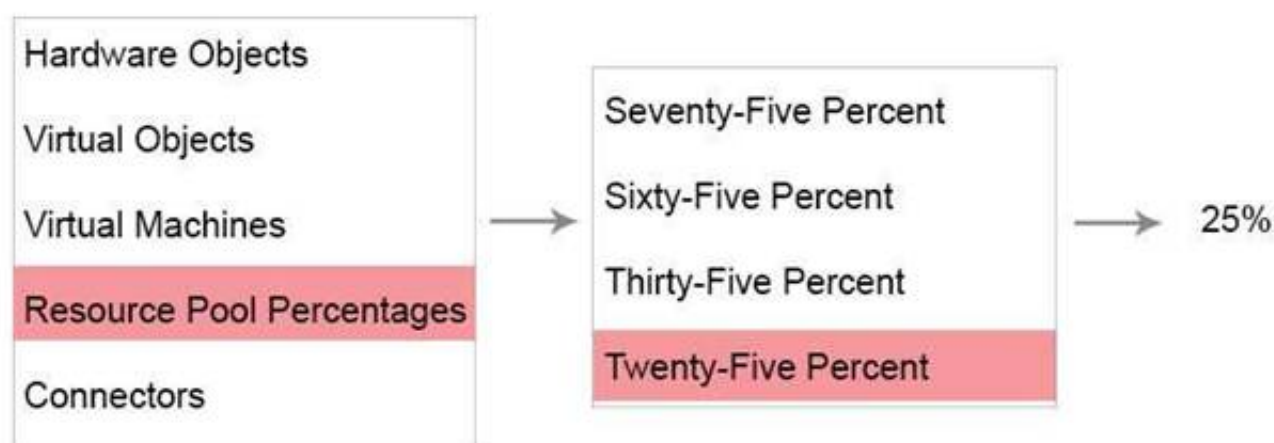
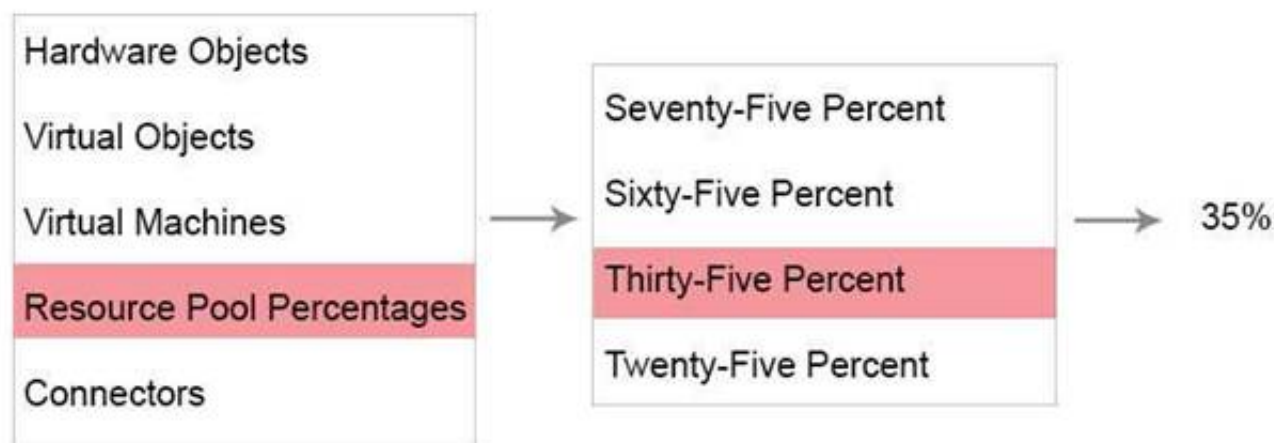
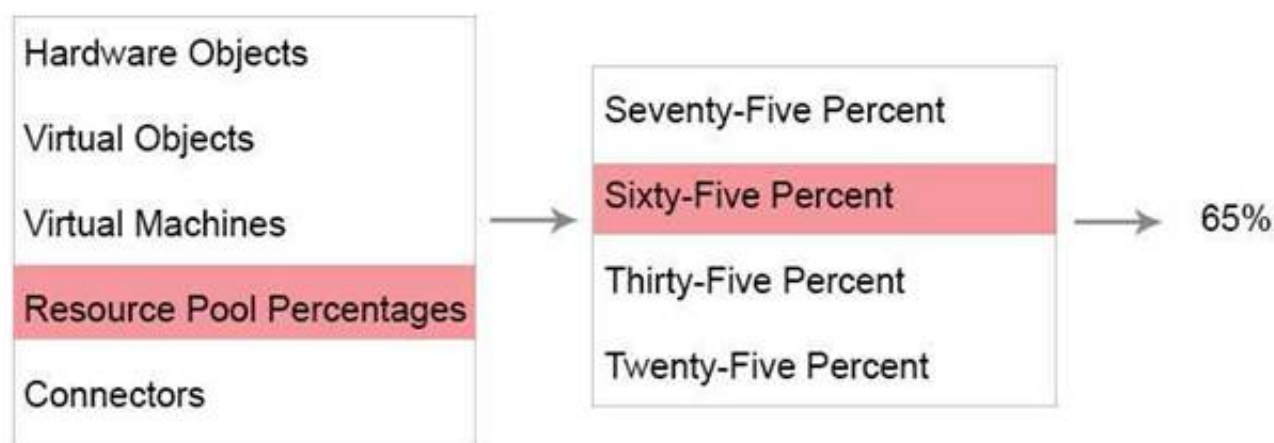
Place host(s) in the required DRS group(s). Place virtual machines in the appropriate resource pool(s). Connect parent to child resource pool connector(s) where needed. Connect the appropriate affinity connector(s) where needed.

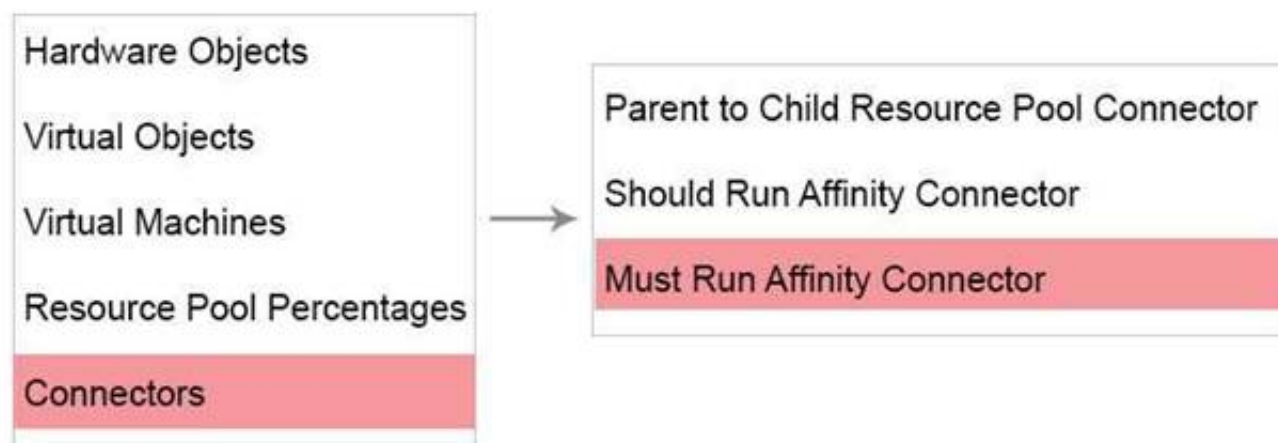
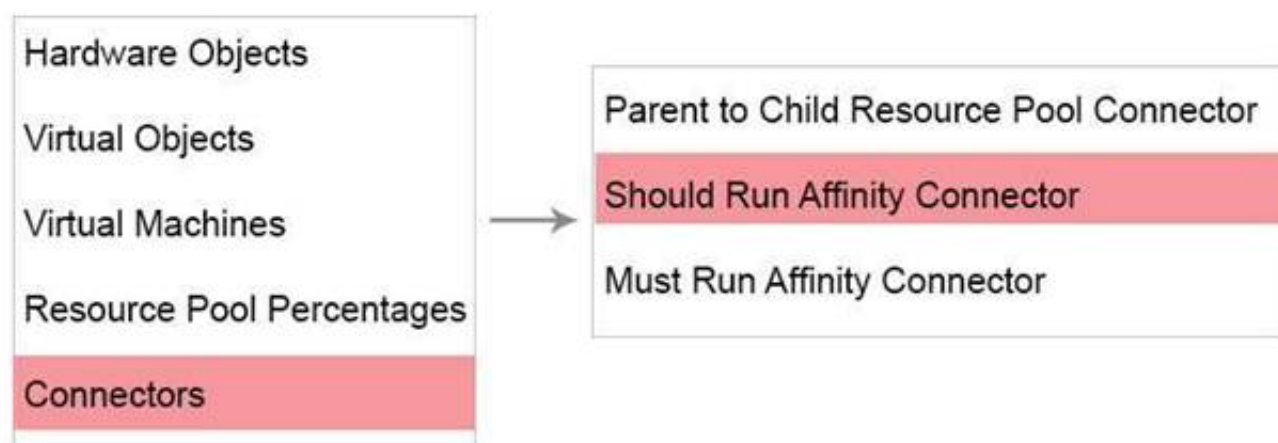






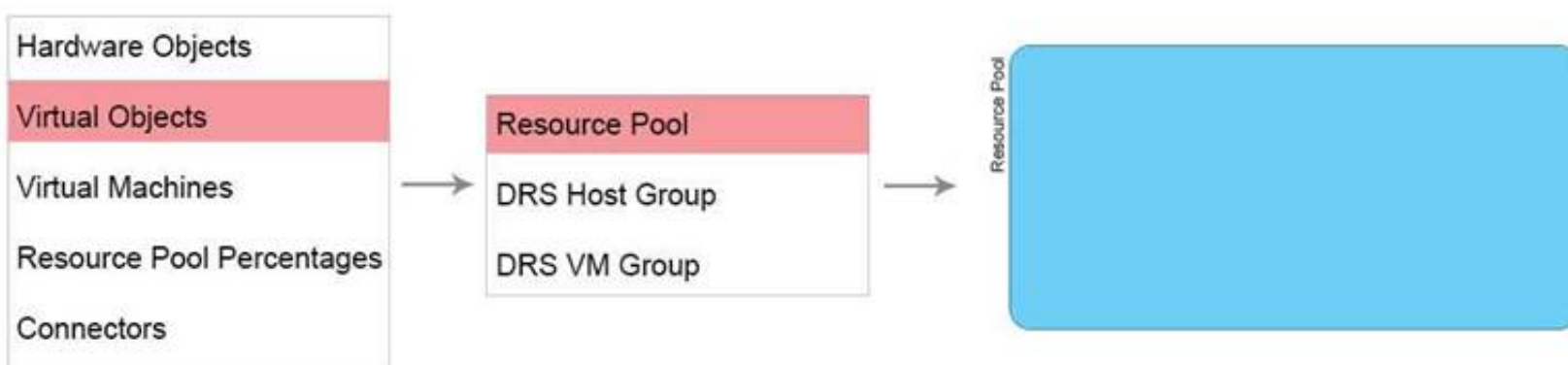


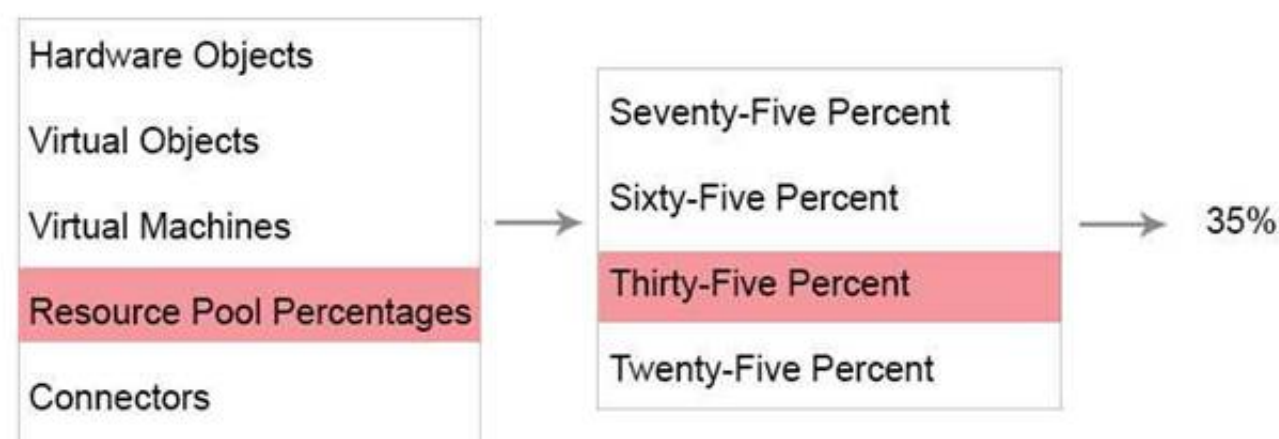
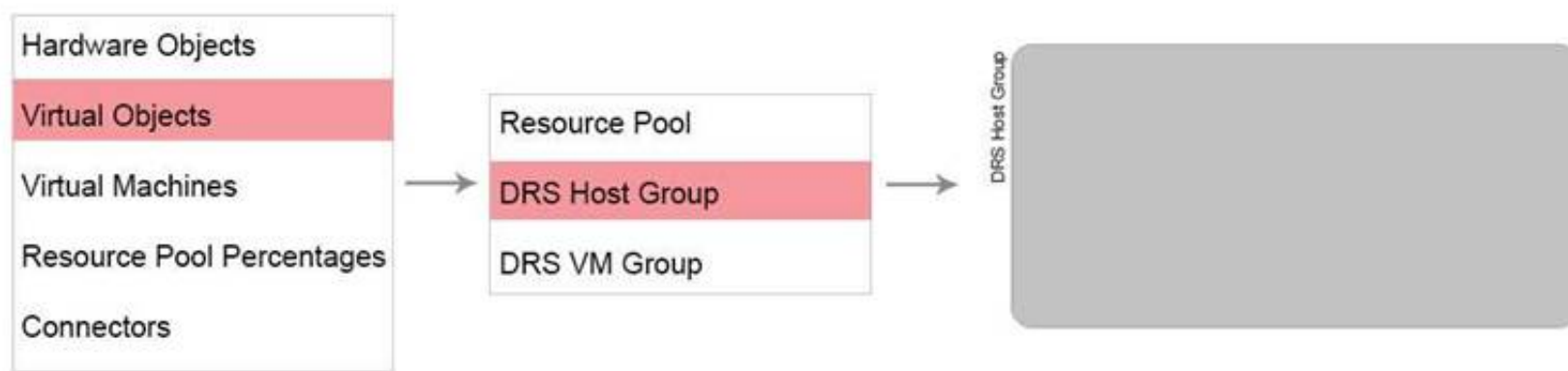


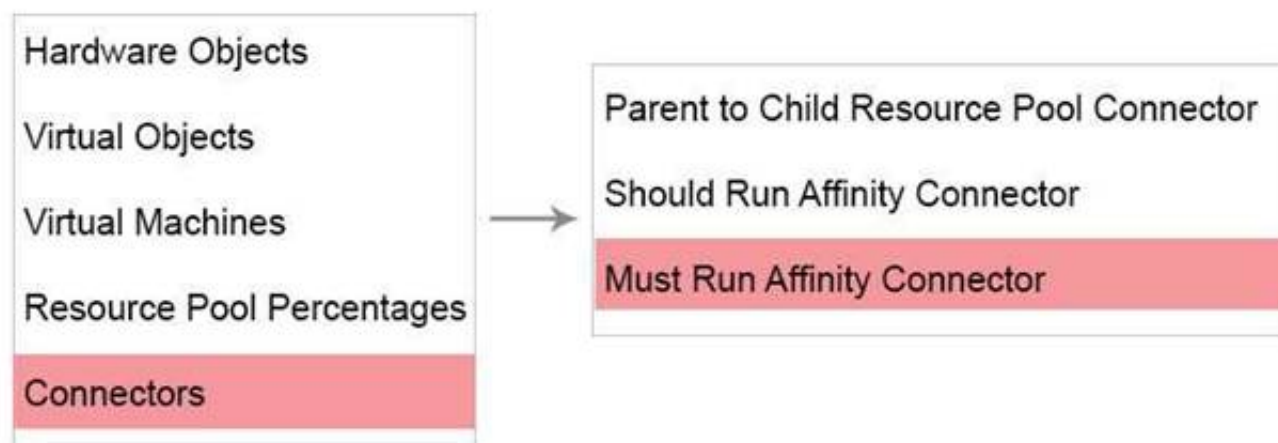
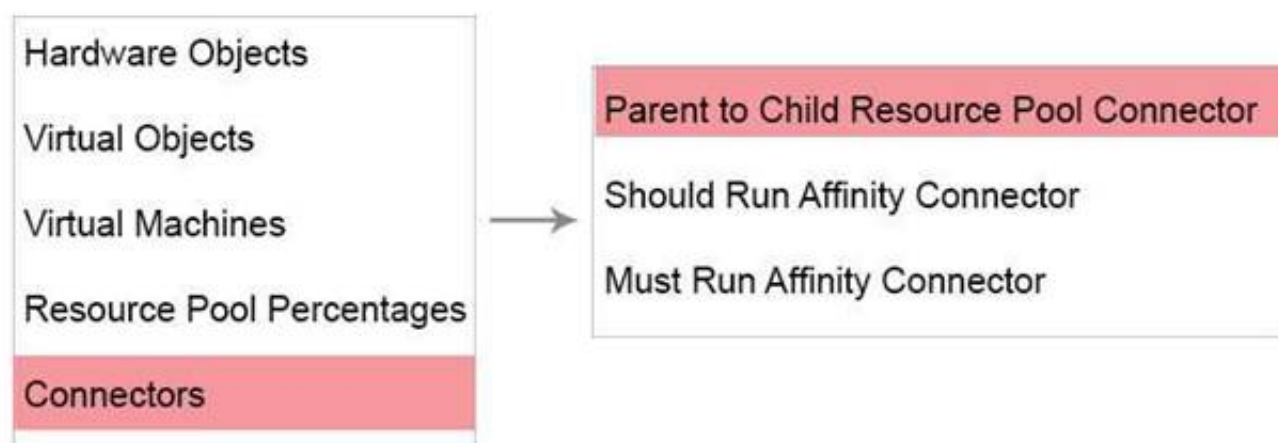


**Answer:**

**Explanation:** Check below for answer solution







#### NEW QUESTION 47

A company's CTO is very concerned about web server outages that are caused by server hardware failures. Which feature can protect the web server virtual machine from this kind of outage?

- A. vCenter High Availability
- B. Proactive High Availability
- C. High Availability Orchestrated Restart
- D. High Availability Admission Control

**Answer:** B

**Explanation:** <http://www.vmwarearena.com/vsphere-6-5-high-availability-new-features-proactive-ha/> vSphere 6.5 High Availability (HA) now also detect the hardware conditions of the ESXi host and allow you to evacuate the Virtual machines before the hardware issues cause an outage to Virtual machines with the help of Proactive HA.

#### NEW QUESTION 50

When planning on resource use for the servers, you should plan on leaving resources available for all the following except .

- A. patching
- B. maintenance mode
- C. future growth
- D. log file space

**Answer:** D

#### NEW QUESTION 53

A validation plan is used to do which of the following? (Select all that apply.)

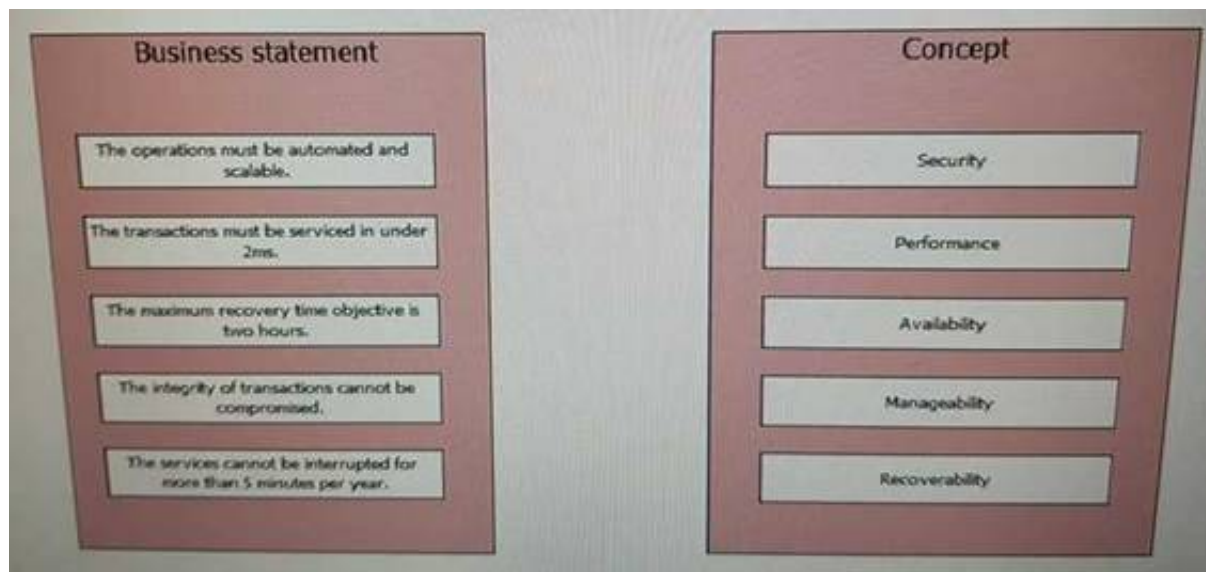
- A. Verify the design
- B. Verify that the system is functional
- C. Verify that the system meets requirements
- D. Meet current best practices

**Answer:** ABC

#### NEW QUESTION 55

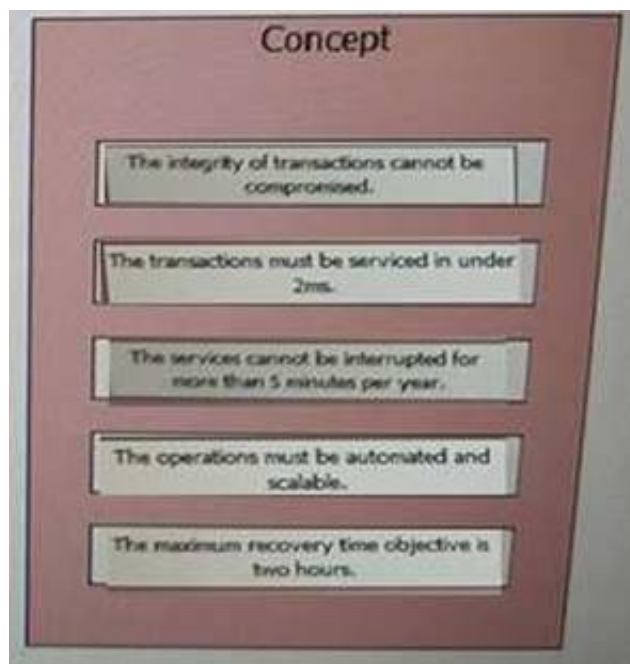
Match the business statement to its appropriate concept.





**Answer:**

**Explanation:**



#### NEW QUESTION 57

A customer has these requirements for storage:

- Protocol used must have a file based access.
- Protocol used must have built in native multipathing.
- protocol used must support authentication.

To meet these requirements, which protocol should be used for storage?

- A. NFS v3
- B. NFS v4.1
- C. FCoE
- D. iSCSI

**Answer: B**

#### NEW QUESTION 59

An architect is designing a vSphere 6.5 implementation.

- The customer requires Cross vCenter vMotion for the newly-created data centers in New York and Houston.
- Each data center will use different IP networks for management and vMotion.

When creating a vMotion network, which two statements are required in order to use Cross vCenter Server vMotion? (Choose two.)

- A. vMotion Networks in both data centers must be in the same L2 stretched VLAN.
- B. The virtual machine port groups must use the same name.
- C. VMkernel port for vMotion must be configured with vMotion TCP/IP Stack with the correct gateway.
- D. vMotion networks in both data centers must be routable over L3 network.

**Answer: CD**

#### NEW QUESTION 63

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:**

<b>Cluster A</b> (8 ESXi hosts)	<ul style="list-style-type: none"> <li>- <b>High Performance</b> 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"> <li>- Contention Present: None</li> <li>- VMs: 20</li> </ul> </li> <li>- <b>Infrastructure</b> 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"> <li>- Contention Present: None</li> <li>- VMs: 12</li> </ul> </li> </ul>
<b>Cluster B</b> (3 ESXi hosts)	<ul style="list-style-type: none"> <li>- <b>Development</b> Resource Pool – 50% of all resources, virtual machines have no CPU or Memory reservations present. <ul style="list-style-type: none"> <li>- Contention Present: Memory Contended, no CPU Contention</li> <li>- VMs: 18</li> </ul> </li> <li>- <b>Reporting</b> Resource Pool – 50% of all resources, virtual machines memory reservation may expand, no CPU reservation present. <ul style="list-style-type: none"> <li>- Contention Present: Memory Contended, CPU Contended</li> <li>- VMs: 2</li> </ul> </li> </ul>
<b>Cluster C</b> (6 ESXi hosts)	<ul style="list-style-type: none"> <li>- <b>Client Back-End Hosting</b> Resource Pool – 75% of all resources, virtual machines have CPU and Memory limits <ul style="list-style-type: none"> <li>- Contention Present: Memory Contended</li> <li>- VMs: 5</li> </ul> </li> <li>- <b>Client Front-End Hosting</b> Resource Pool – 25% of all resources, virtual machines have no CPU limits, however memory limits are in place. <ul style="list-style-type: none"> <li>- Contention Present: Memory contended, no CPU Contention</li> </ul> </li> </ul>

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.

Database Requirements	Design Characteristics
<b>R1</b>	
Add servers to Cluster A	Provides additional CPU resources to every virtual machine in the cluster.
<b>R2</b>	
	Provides additional memory resources to every virtual machine in the cluster.
<b>R3</b>	
Add servers to Cluster B	Provides additional CPU resources to some virtual machines in the cluster.
	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.

Answer:

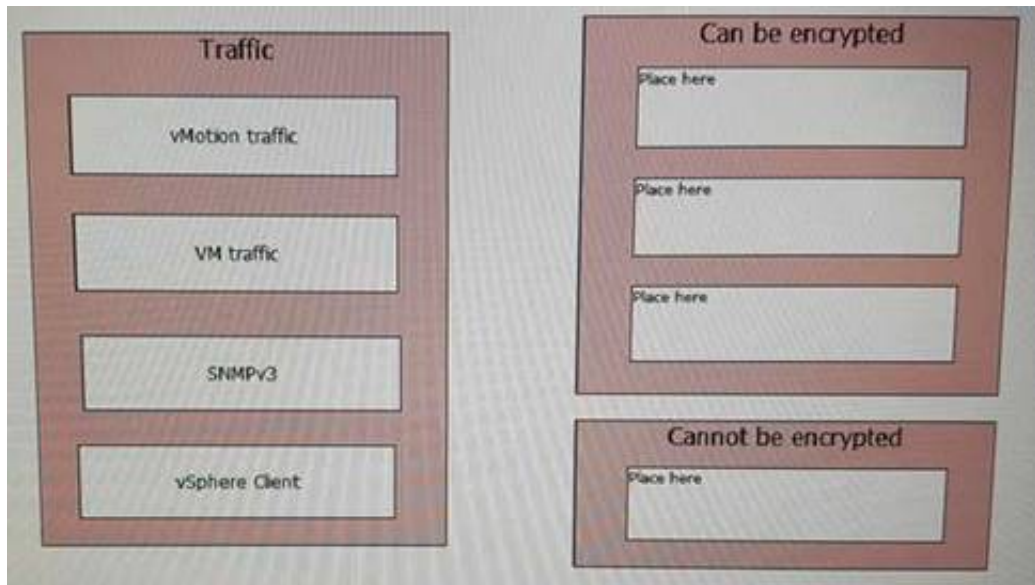
Explanation:

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

**NEW QUESTION 65**

Sort the traffic by whether it can be encrypted natively by vSphere.



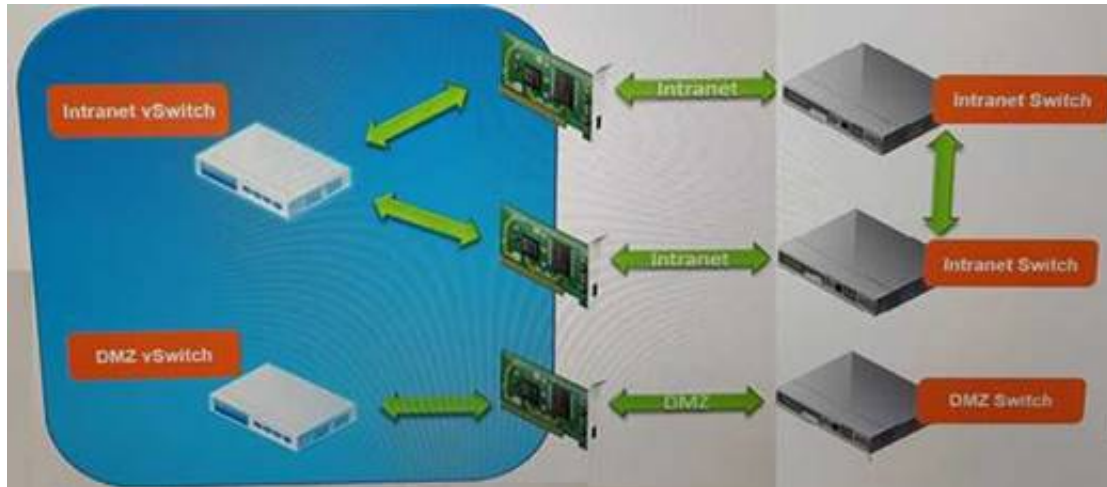


**Answer:**

**Explanation:** vmotion--> it is supported  
snmpv3 --> Natively supports message integrity, auth and encryption  
vsphere client --> Using IPSec for IPv6

#### NEW QUESTION 70

View the Exhibit.



Referring to the Exhibit, identify the two single points of failure in this design. (Choose two.)

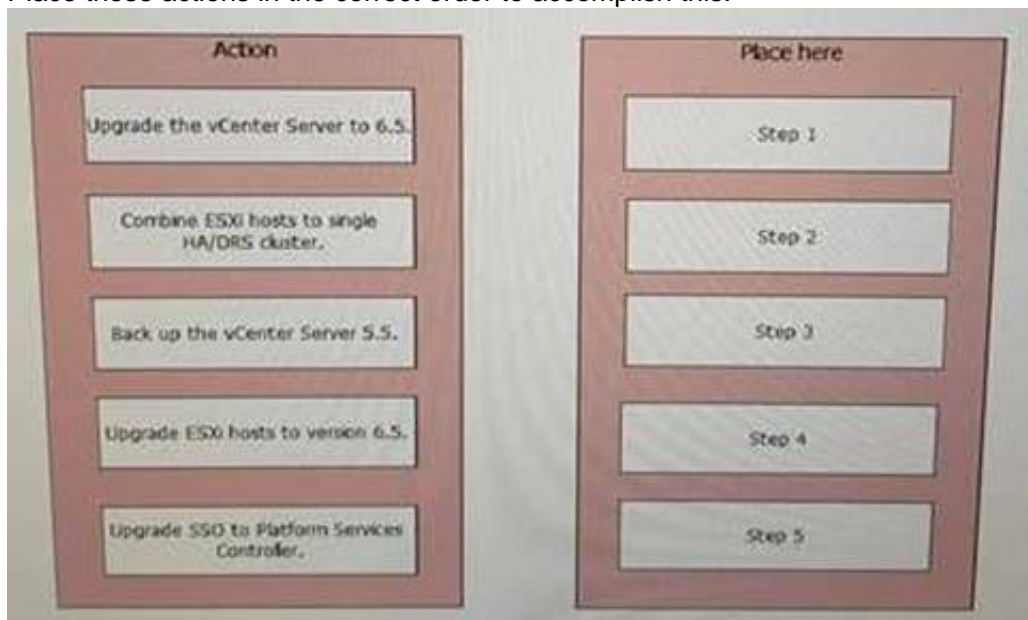
- A. Intranet Switch
- B. Intranet Uplink
- C. Intranet vSwitch
- D. DMZ Switch
- E. DMZ Uplink
- F. DMZ vSwitch

**Answer:** EF

#### NEW QUESTION 74

A customer is currently running a vCenter Server 5.5 environment with 48 identically-configured ESXi hosts.

- These ESXi hosts are divided into six 8-host HA/DRS clusters.
  - The customer wants to upgrade to vSphere 6.5 and combine all of its ESXi hosts into a single 48-host HA/DRS cluster.
- Place these actions in the correct order to accomplish this.



**Answer:**

**Explanation:** 1 - Backup vCenter 5.5- 2- Upgrade the SSO to PSC3-3-Upgrade vCenter to 6.5- 4- Upgrade ESXi hosts to version 6.5- 5- Combine ESXi hosts to single...

#### NEW QUESTION 79

A database administrator is operating a virtual machine (VM) configured with 16 vCPU and 64GB of RAM. A recent performance audit has indicated that this virtual machine is oversized and is using less than 60% of its configured CPU and memory capacity.

- The ESXi host that contains this VM has 2 physical processors with 10 cores per processor, and 128GB of RAM.
- This physical host's architecture is split into two equal NUMA nodes.

Which vCPU and RAM configuration for the VM allows for the most resources, but also provides the performance benefit of local NUMA access?

- A. 16 vCPU and 32GB RAM
- B. 4 vCPU and 16GB RAM
- C. 10 vCPU and 64GB RAM
- D. 12 vCPU and 64GB RAM

**Answer: C**

#### NEW QUESTION 81

A company would like to leverage snapshot technology on vSphere 6.5. Which configuration supports taking snapshots?

- A. Windows Failover Cluster VM with RDM in virtual mode
- B. vSphere Fault Tolerance VM
- C. Windows Failover Cluster VM with RDM in physical mode
- D. SQL Always On Availability Group

**Answer: A**

#### NEW QUESTION 86

You have been tasked with creating a vSphere 6.5 design for an organization. The customer wants to ensure isolation in the network but does not know when to incorporate physical networks, VLANs and PVLANS.

Evaluate the design requirement and determine the isolation method to satisfy the design.

Match each Design Requirement on the left by dragging the red Requirement buttons (R1-R5) over the text of the appropriate Isolation Method.

NOTE: Multiple Design Requirements may fit each Isolation Method.

Design Requirements		Isolation Method	
<b>R1</b>	Physical network ports equal networks required.		Physical network separation
<b>R2</b>	Physical network ports are less than networks required.		VLAN
<b>R3</b>	Need to limit communication between servers in the same layer 2 network.		PVLAN
<b>R4</b>	Customer has a 10Gb network.		
<b>R5</b>	Isolation is particularly important for servers in networks that have some degree of public access, like the servers in a DMZ network.		

**Answer:**

**Explanation:**

Design Requirements		Isolation Method	
<b>R1</b>	Physical network ports equal networks required.		Physical network separation <b>R1</b> <b>R3</b> <b>R4</b>
<b>R2</b>	Physical network ports are less than networks required.		VLAN <b>R5</b> <b>R2</b> <b>R4</b>
<b>R3</b>	Need to limit communication between servers in the same layer 2 network.		PVLAN <b>R2</b> <b>R3</b>
<b>R4</b>	Customer has a 10Gb network.		
<b>R5</b>	Isolation is particularly important for servers in networks that have some degree of public access, like the servers in a DMZ network.		



### NEW QUESTION 87

You have been provided with a list of requirements for a vSphere Design. For each requirement, categorize the requirement as a component of the WRT, RTO, RPO, MTD, and Recoverability.

Drag a requirement button (R1-R8) over to the green space provided beside the corresponding Design Phase.

Requirement	Design Phase
R1: Determines the maximum acceptable amount of data loss measured in time.	WRT (Work Recovery Time)
R2: Determines the maximum tolerable amount of time needed to bring all critical systems back online	RTO (Recovery Time Objective)
R3: Determines the maximum tolerable amount of time that is needed to verify the system and/or data integrity	RPO (Recovery Point objective)
R4: Defines the total amount of time that a business process can be disrupted without causing any unacceptable consequences	MTD(Maximum Tolerable Downtime)
R5: Is how easy to recover infrastructure services from a failure	Recoverability

Answer:

Explanation:

Requirement	Design Phase
Determines the maximum acceptable amount of data loss measured in time.	R3: WRT (Work Recovery Time)
Determines the maximum tolerable amount of time needed to bring all critical systems back online	R2: RTO (Recovery Time Objective)
Determines the maximum tolerable amount of time that is needed to verify the system and/or data integrity	R1: RPO (Recovery Point objective)
Defines the total amount of time that a business process can be disrupted without causing any unacceptable consequences	R4: MTD(Maximum Tolerable Downtime)
Is how easy to recover infrastructure services from a failure	R5: Recoverability

### NEW QUESTION 90

Customer Requirements:

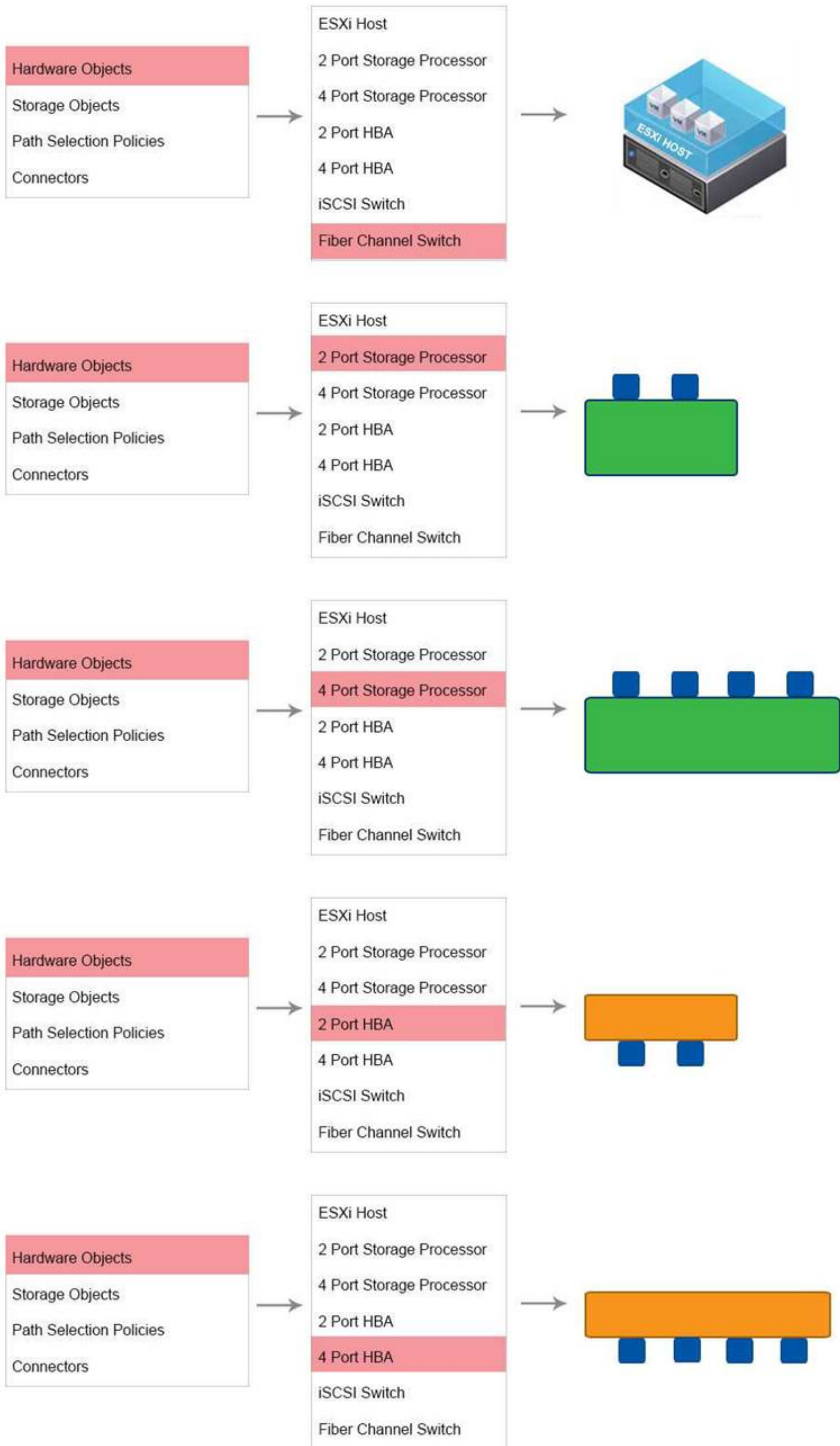
You have been tasked with creating a vSphere 6.5 data center design for an organization. The organization has produced two 24 port FC switches, and Asymmetrical Active/Active storage array (2 storage Processors with 4 ports each) and 22 ESXi Hosts with 2 dual port HBAs in each. Due to budgetary constraints,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

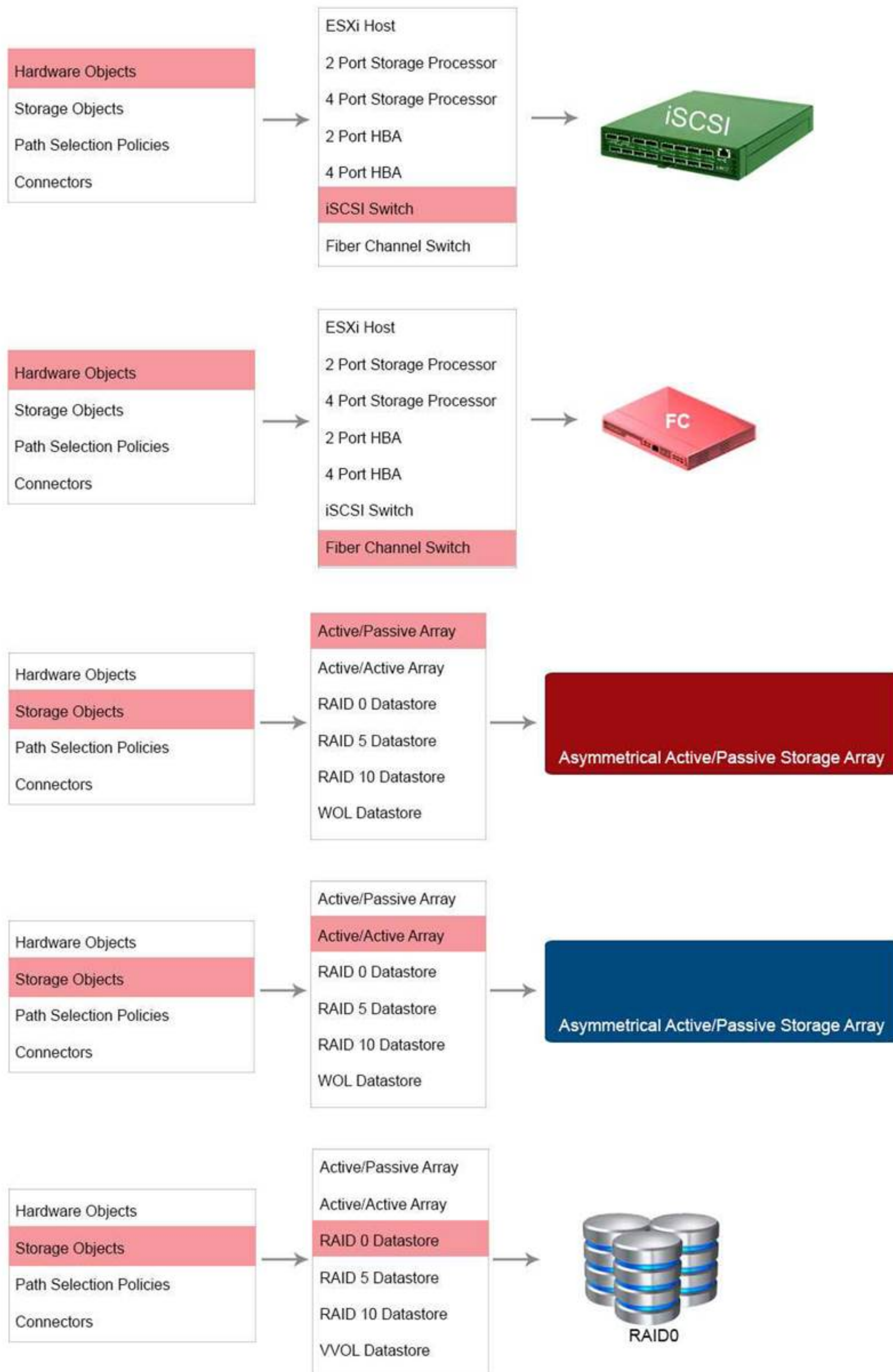
- The existing Fibre Channel (FC) Asymmetrical Active/Active Array and FC switches must be used.
- No single point of failure to any datastore.
- Configuration must provide failover and load balancing.
- The customer requires a solution that will accommodate virtual machines with three different I/O 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:

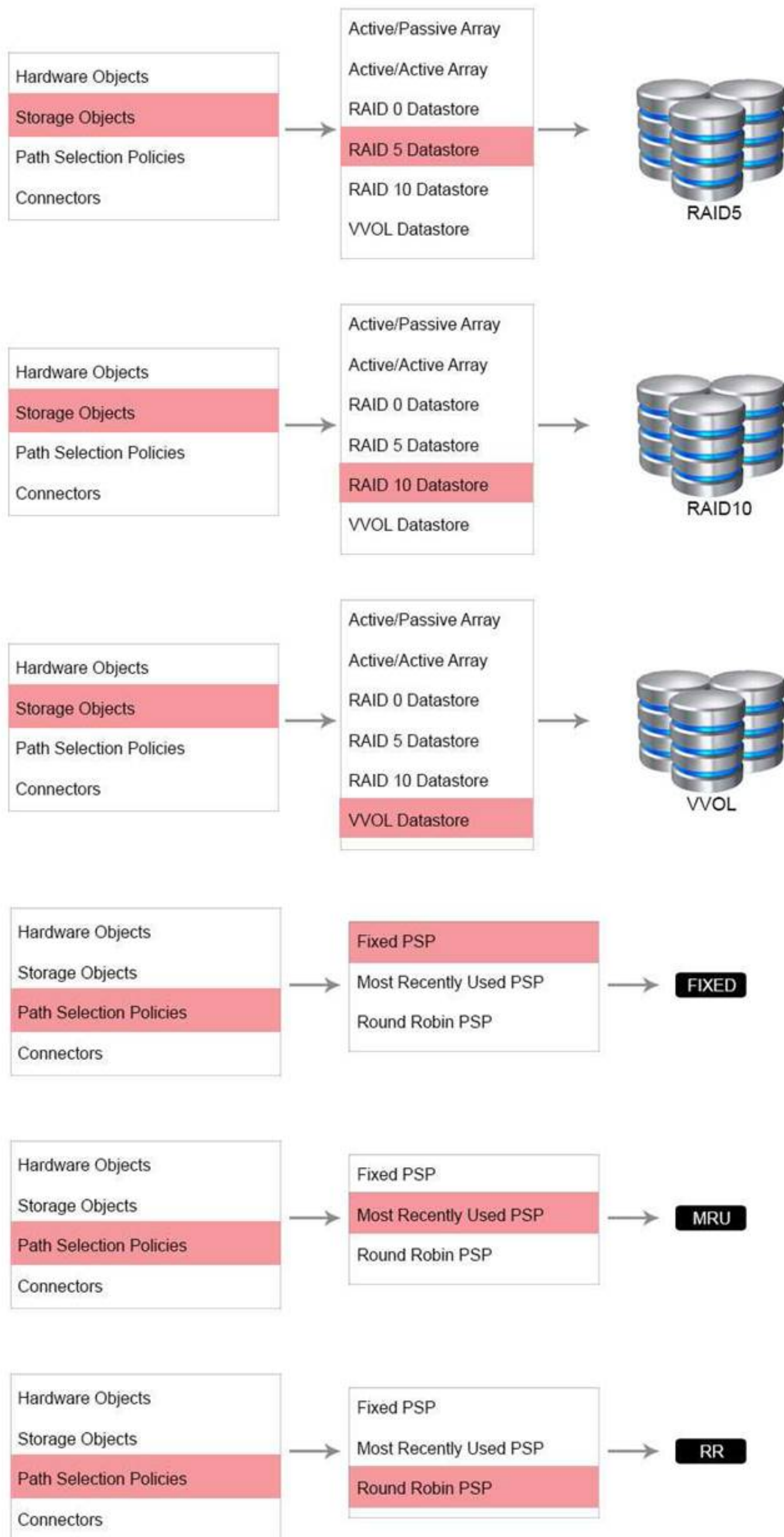
- All required hardware
- All required resources

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.







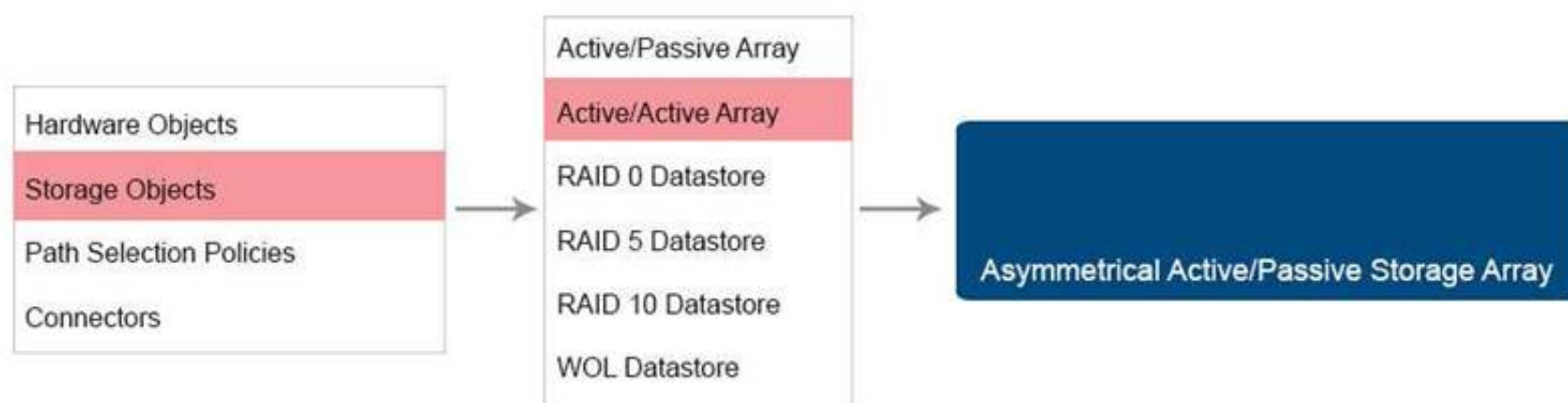
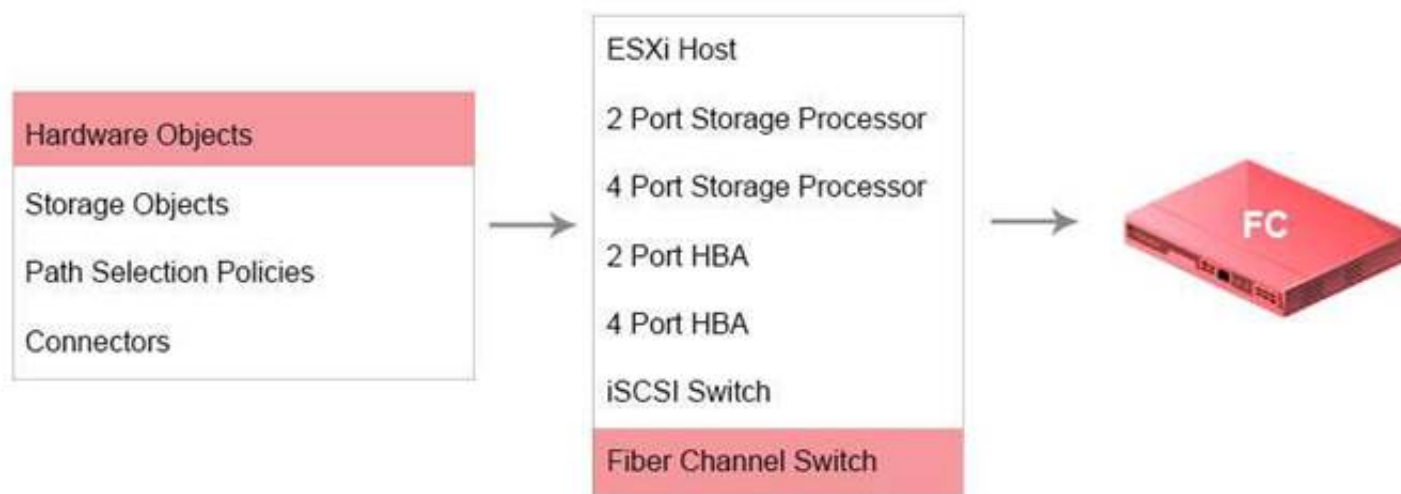
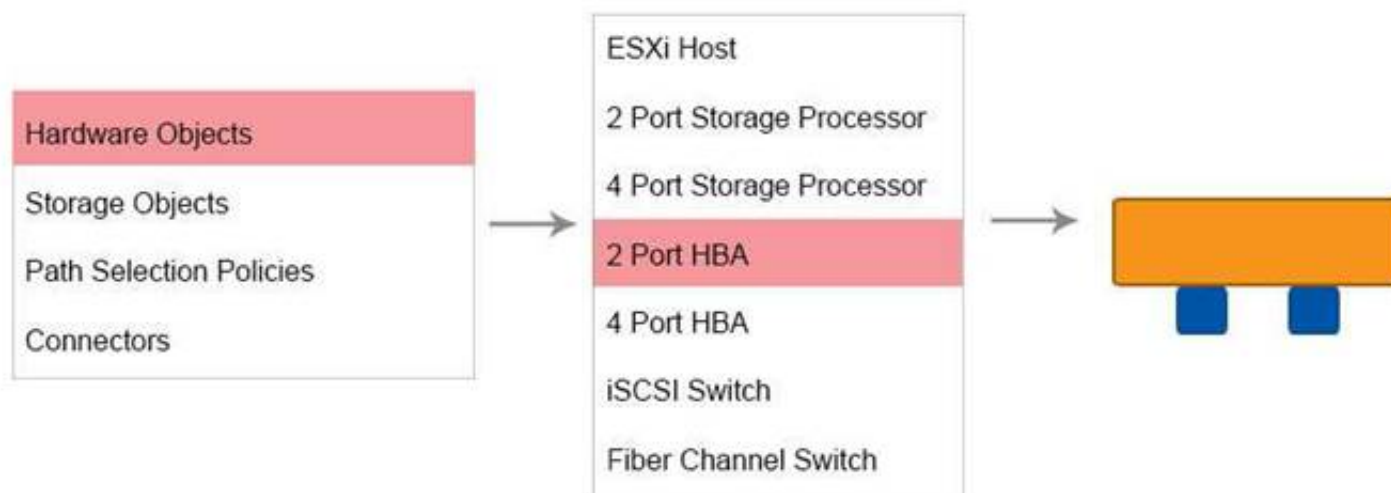
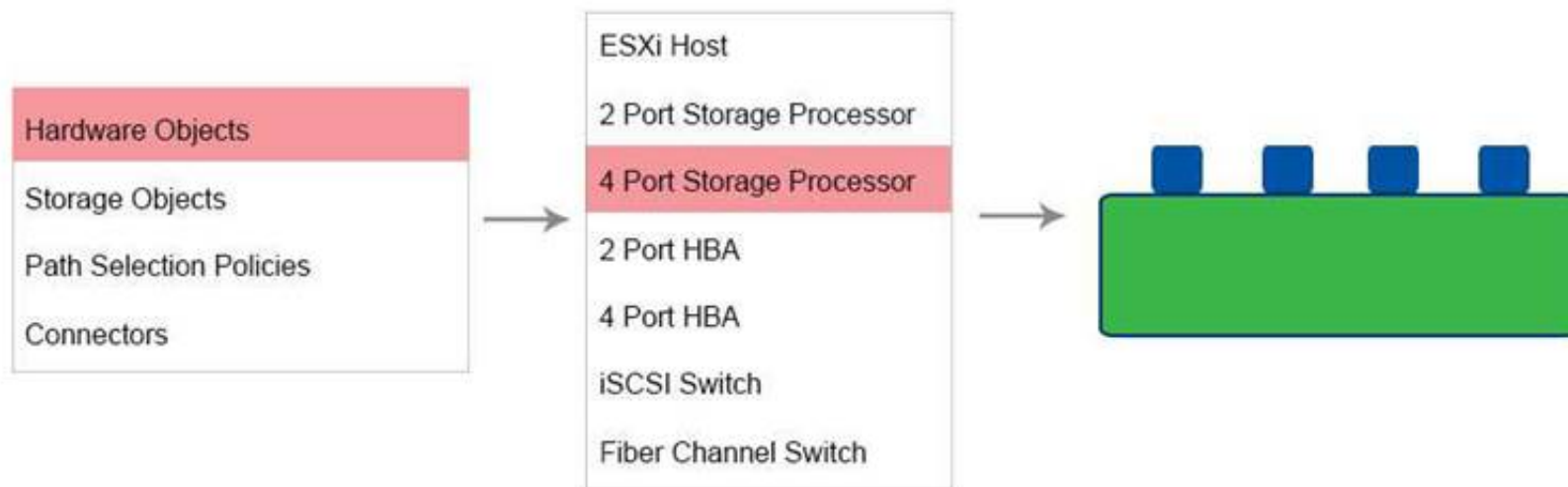


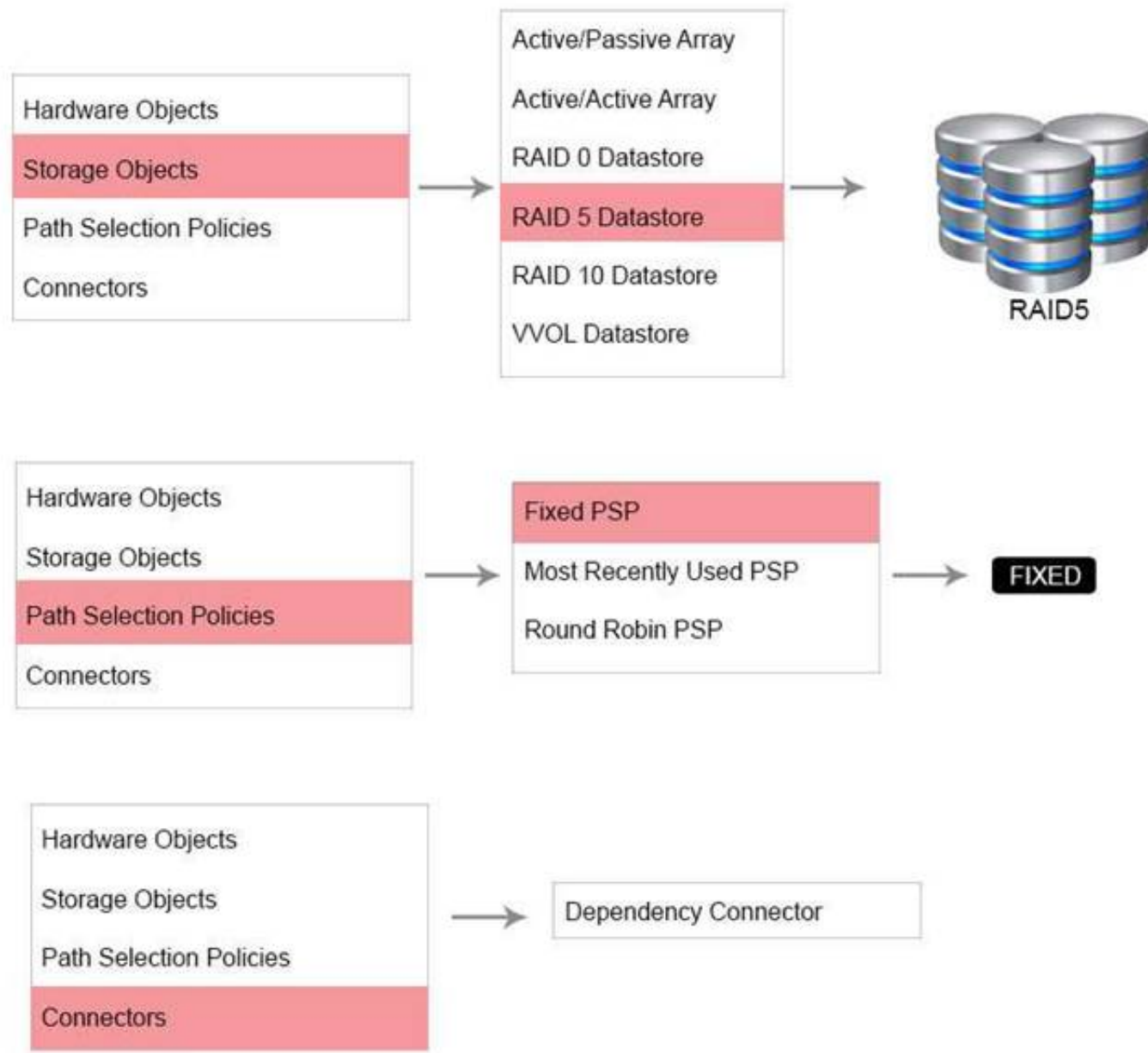




**Answer:**

**Explanation:** Check below for answer solution





#### NEW QUESTION 95

A solution architect has finished conducting interviews and gathering requirements for a company, and has determined that the logical requirements are:

- two data centers for high availability
- synchronous replication to meet the zero minute RPO
- separating management workloads from application workloads
- dedicated 10Gb uplink for each low latency server
- single management port for the entire environment

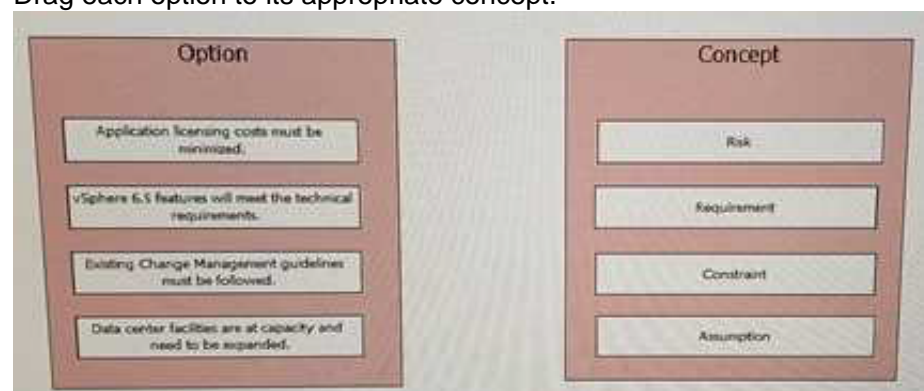
Which two actions would meet the design requirements? (Choose two.)

- A. Create two data center objects in vCenter Server.
- B. Configure vSAN Stretched Clustering.
- C. Configure SR-IOV for low latency servers.
- D. Create one folder for Management workloads and one folder for application workloads.

**Answer:** BD

#### NEW QUESTION 96

Drag each option to its appropriate concept.



**Answer:**

**Explanation:** Risk --> DC facilities are at capacity end...Requirement --> Existing change management guidelines...Constraint --> App licencing costs must be minimizedAssumption --> vsphere 6.5 features will meet the...

#### NEW QUESTION 101

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.

**Answer:** BCD

#### NEW QUESTION 103

The system administrator team is planning to upgrade its vCenter Server 5.5 environments to version 6.5.

- Each vCenter 5.5 is pointing to a Single Sign On (SSO) server that has a dedicated virtual machine.
- The SSO servers are currently in independent SSO domains.
- During the upgrade process, the administrators would like to combine their two SSO domains into a single one.

View the exhibit.



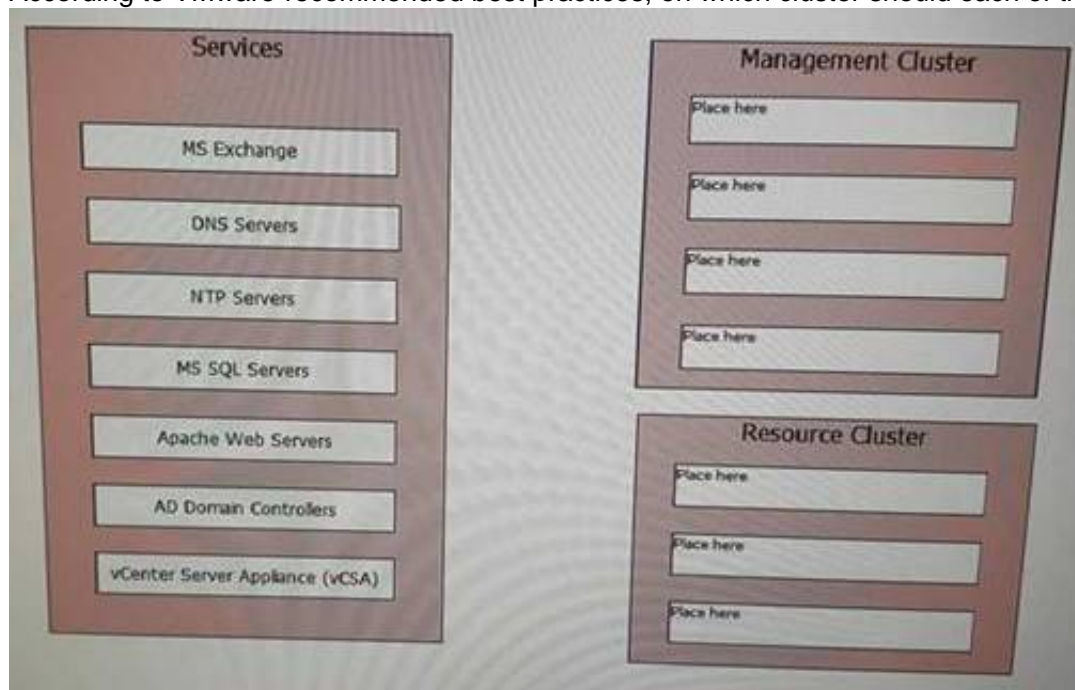
Referring to the exhibit, which upgrade scenario would accomplish this?

- A. 1. Upgrade the Denver SSO server to a 6.5 PSC.2. Upgrade the Denver vCenter Server 5.5 to version 6.5.3. Use the migration utility to upgrade the New York vCenter Server to 6.5.4. Choose to join it to the Denver PSC.
- B. 1. Upgrade the Denver SSO server to a 6.5 PSC.2. Use the migration utility to upgrade the New York SSO server.3. Choose to join the existing SSO domain during the second upgrade.4. Upgrade both of the vCenter Servers to 6.5.
- C. 1. Upgrade both of the SSO servers to 6.5 PSCs.2. Upgrade both of the vCenter Servers to 6.5.3. Install a new 6.5 PSC in the same SSO domain as the Denver 6.5 PSC.4. Repoint the New York vCenter Server to the newly-installed PSC.
- D. 1. Install a new New York SSO 5.5 server in the same SSO domain as the Denver SSO server.2. Repoint the New York vCenter Server to the newly-installed SSO server.3. Upgrade both SSO servers to 6.5 PSCs.4. Upgrade both vCenter Servers to 6.5.

**Answer:** D

#### NEW QUESTION 104

According to VMware-recommended best practices, on which cluster should each of the services be placed?



**Answer:**

**Explanation:** Management DNS Servers VCSA AD Domain NTP Servers Resource MS Exchange MS SQL Apache Web

#### NEW QUESTION 107

A customer has requested a vSphere 6.5 deployment design that utilizes vCenter Server and the use of VMware-recommended best practices for securing vCenter Server.

Which three actions would satisfy these requirements? (Choose three.)

- A. Utilizing vSphere CLI and vSphere SDK for Perl scripts.
- B. Restricting vCenter Server access to only the management network
- C. Assigning the default Administrator role to all administrator users.
- D. Synchronizing time in vCenter Server with a NTP source.
- E. Removing expired and revoked certificates from vCenter Server system.



Answer: BDE

#### NEW QUESTION 111

You have been tasked with creating a vSphere 6.5 data center design for an organization. During the key stakeholder and SME interviews, a set of goals, requirements, assumptions and constraints were identified. Evaluate each of the requirements, assumptions, and constraints (RAC) and determine which design characteristics apply.

Match each of the Requirements, Assumptions and Constraints by dragging the RAC buttons (R1-R5) over the text of the appropriate Design Characteristic.

NOTE: RACs may fit one or more of the Design Characteristics.

RAC		Design Characteristic	
R1	All hosts per location are configured uniformly and all differences or changes are tracked.		Availability
R2	The implementation should be easily repeatable.		Manageability
R3	Deployment of system and services should be automated.		Performance
R4	The custom order processing system at the primary site must be kept running with no downtime.		Recoverability
R5	All production servers should be segregated.		Security

Answer:

Explanation:

RAC		Design Characteristic	
R1	All hosts per location are configured uniformly and all differences or changes are tracked.		Availability R3 R4
R2	The implementation should be easily repeatable.		Manageability R5
R3	Deployment of system and services should be automated.		Performance R4
R4	The custom order processing system at the primary site must be kept running with no downtime.		Recoverability R2
R5	All production servers should be segregated.		Security R1

#### NEW QUESTION 116

What topics need to be considered when creating a storage design?

- A. Application I/O requirements
- B. Growth rate
- C. Latency
- D. All of the above

Answer: D

#### NEW QUESTION 119

.....

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