



VMware

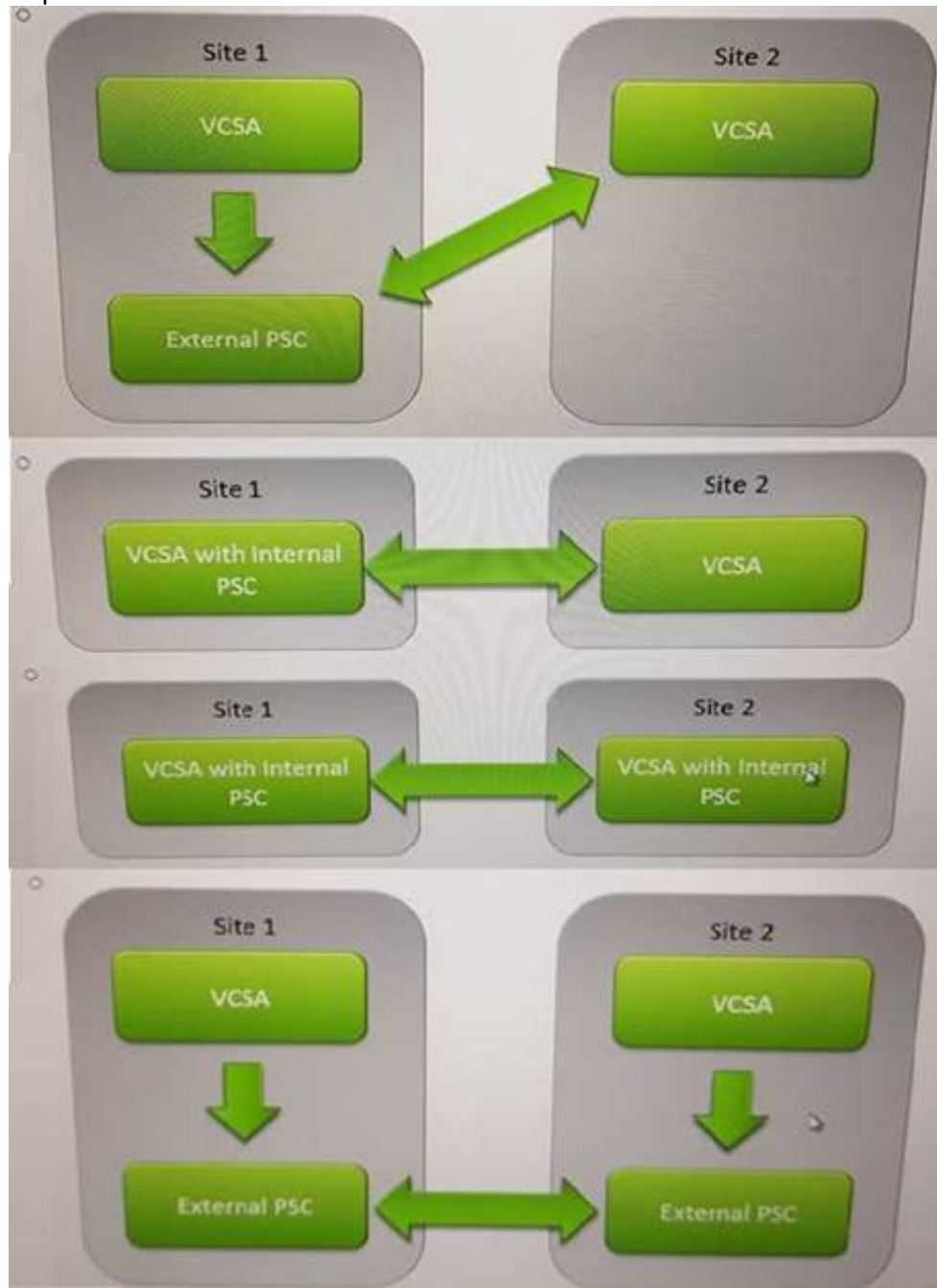
Exam Questions 3v0-624

VMware Certified Advanced Professional 6.5 - Data Center Virtualization Design Exam

NEW QUESTION 1

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 2

A customs has requested a vSphere 6.5 deployment design where ESXi hosts are provisioned with Auto Deploy. The customer requires that certificates can be automatically refreshed and renewed from the vSphere Web Client for ESXi hosts.

Which certificate policy should be configured for vCenter Server?

- A. Thumbprint Mode
- B. VMware Certificate Authority
- C. Custom Certificate Authority
- D. Subordinate Certificate Authority

Answer: B

NEW QUESTION 3

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 4

A virtualization administrator has been tasked with migrating several business applications from physical to virtual. The administrator must also migrate the virtual machines from VMware Workstation to vSphere 6.5, using vCenter Converter Standalone 6.1.
 In this scenario, when two source types are supported? (Choose two.)

- A. powered-off Windows Server 2008 physical machine
- B. powered-on Windows Server 2000 Workstation virtual machine
- C. powered-off Windows Server 2008 Workstation virtual machine
- D. powered-on Windows Server 2008 physical machine

Answer: CD

NEW QUESTION 5

Customer Information

The Customer Labtown has a new vSphere 5 environment with one of their line of business applications recently being virtualized. 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

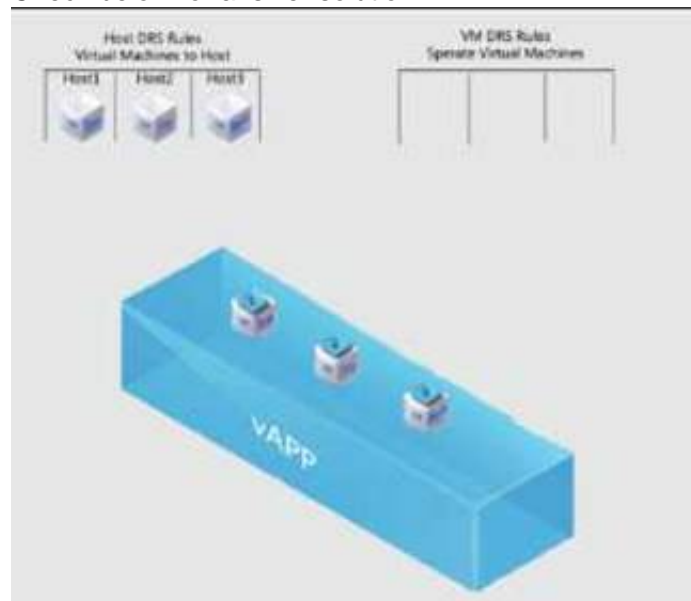
See the solution below

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

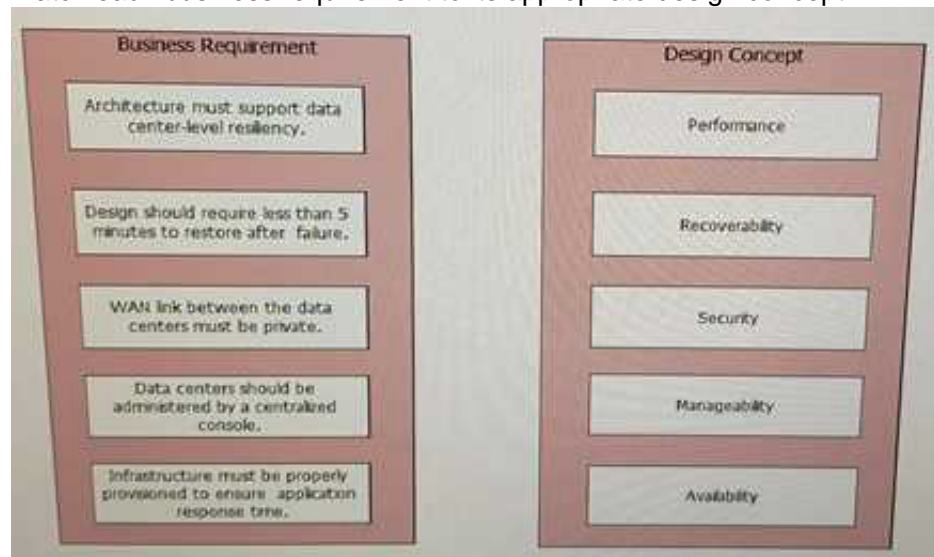
Check below for answer solution



NEW QUESTION 6

A company is a leading provider for an online travel booking system with over a \$1,000,000 turnover each day. The company wants to leverage VMware cloud solutions to consolidate, scale, and ensure high availability for all of its data centers.

Match each business requirement to its appropriate design concept.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Performance --> Infrastructure must be properly provisioned...Recoverability --> Design should require less than 5' to restore...Security --> WAN links between..Manageability --> DCs should be administered by a centralized consoleAvailability --> Architecture must support DC level resiliency

NEW QUESTION 7

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 8

A customer is using blade servers with only one HBA.

Which two design concepts apply to this scenario? (Choose two.)

- A. Assumption
- B. Risk
- C. Constraint
- D. Requirement

Answer: BC

NEW QUESTION 9

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

Answer: B

NEW QUESTION 10

A company has developers located in Eastern Europe (EE) and a QA Department in Bermuda.

- The company is planning to create an environment based on a blueprint of 4-8 virtual machines for each of the developers and one for every QA project.
- The proposed configuration will allow each developer to work independently and be able to collapse and re-create the environment as needed.
- QA Teams will be able to recreate the environment that is required for a specific application.
- Individual virtual machines in the blueprint are being continually updated with newly available software packages.
- The company is planning to use the vSphere Content Library to store images and synchronize them between sites.

Which four supported configurations can the company implement? (Choose four.)

- A. EE and Bermuda libraries that are backed by an NFS file system.
- B. EE and Bermuda vCenter Servers with Enhanced Linked Mode.
- C. FTP protocol to transfer data between published in EE and subscribed in Bermuda libraries.
- D. Published library in EE backed by an NFS file system while subscribed library in Bermuda is backed up by datastore.
- E. A minimum 10 GbE connection between EE published and Bermuda subscribed libraries is required.
- F. EE and Bermuda vCenter Servers without Enhanced Linked Mode.

Answer: ABDF

NEW QUESTION 10

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 Availably
- 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 13

The ability to live-migrate all virtual machines between two clusters is a requirement in the customer's design. Which two clusters and EVC configurations will accomplish this? (Choose two)

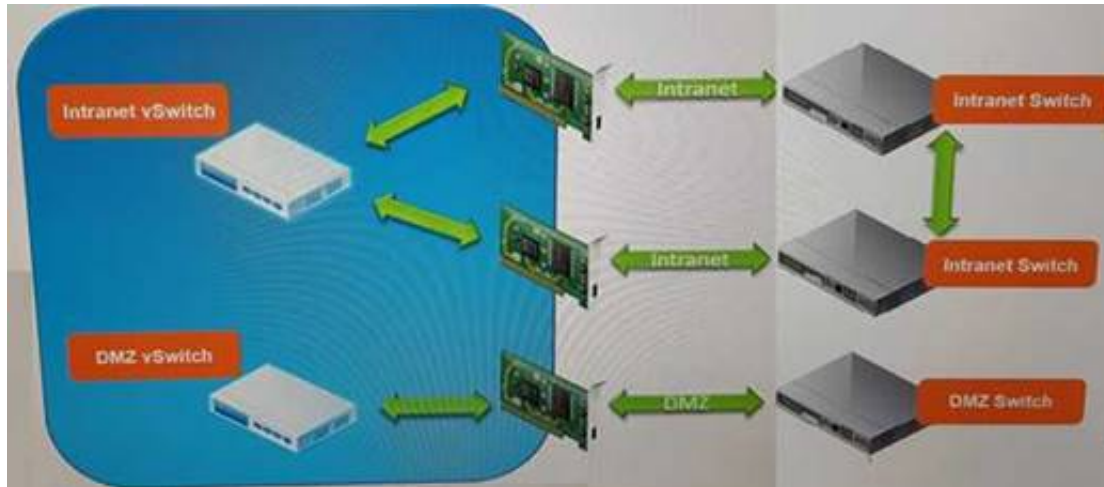
- A. Cluster 1• ESXi 6.0• Intel Skylake CPUs• EVC Enabled: AMD Opteron™ "Steamroller" Generation Cluster 2• ESXi 6.5• AMD Steamroller CPUs• EVC Enabled: AMD Opteron™ "Steamroller" Generation

- B. Cluster 1• ESXi 5.6• Intel® Broadwell CPUs• EVC Disabled Cluster 2• ESXi 6.5• Intel® Broadwell CPUs• EVC Disabled
 C. Cluster 1• ESXi 5.5• AMD Piledriver CPUs• EVC Enabled: AMD Opteron™ "Piledriver" Generation Cluster 2• ESXi 6.5• AMD Steamroller CPUs• EVC Enabled: AMD Opteron™ "Piledriver" Generation
 D. Cluster 1• ESXi 6.5• Intel Broadwell CPUs• EVC Enabled: Intel® "Broadwell" Generation Cluster 2• ESXi 6.5• Intel Sandy Bridge CPUs• EVC Enabled: Intel® "Sandy Bridge" Generation

Answer: BC

NEW QUESTION 16

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

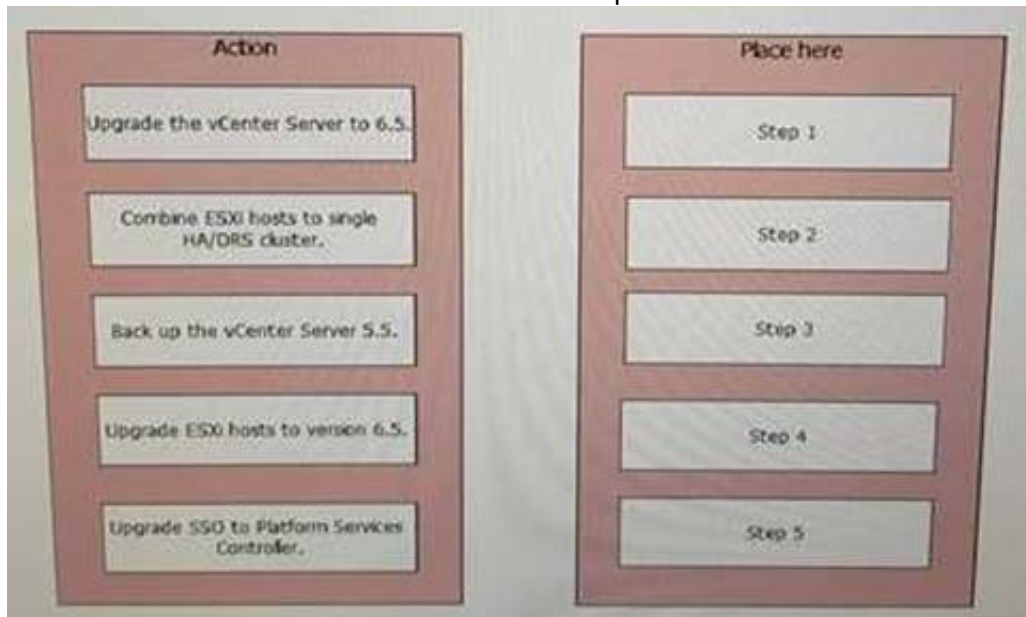
Answer: EF

NEW QUESTION 17

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.



- A. Mastered
- B. Not Mastered

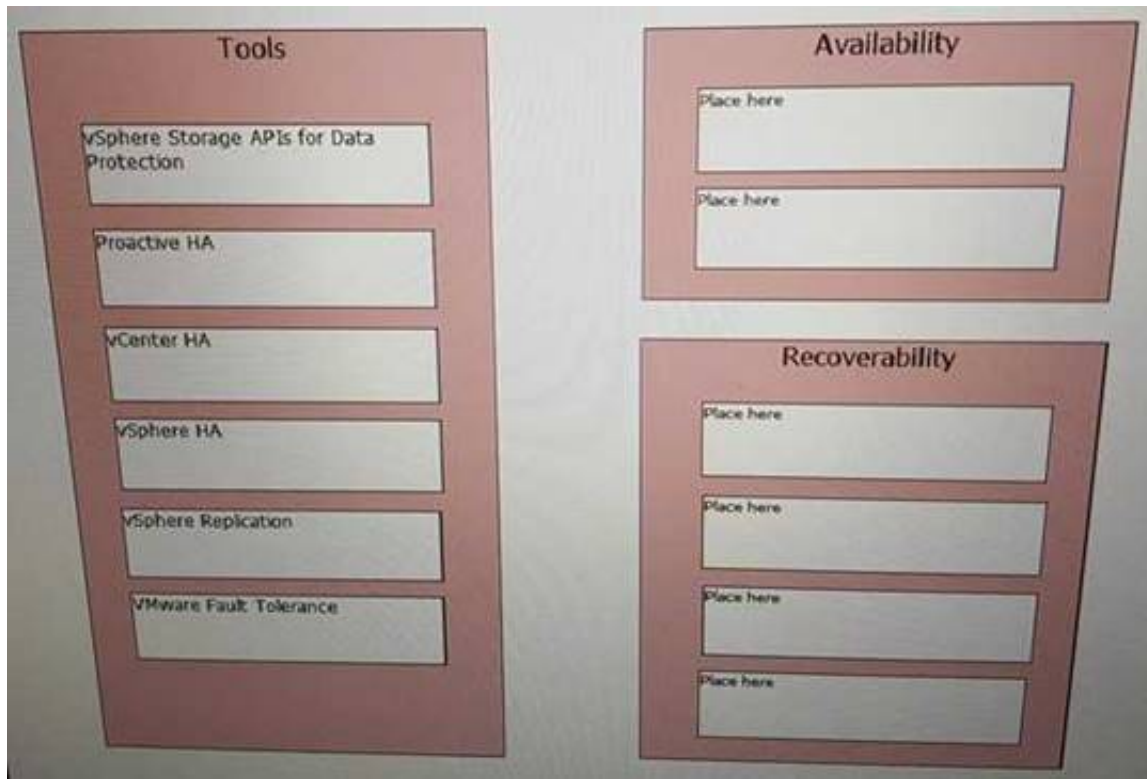
Answer: A

Explanation:

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

NEW QUESTION 20

Categorize the tools as providing either Availability or Recoverability.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Availability FTHA Recoverability Proactive HA vCenter HA vSphere Replication VADP

NEW QUESTION 21

A customer is virtualizing a mission-critical Microsoft SQL database and needs a configuration that provides optimal NUMA performance.

- There are two possible clusters that the database virtual machine could reside in: Cluster A is vSphere 6.0 and Cluster B is vSphere 6.5.
 - All ESXi hosts contain dual Intel Xeon E5-2650 v3 processors (ie: 2 socket, 10 cores per socket) and 256Gb RAM with vNUMA in its default configuration.
- Given this scenario, which three statements are true? (Choose three.)

- A. Enabling CPU Hot Add on a virtual machine will disable vNUMA.
- B. Placing a 10 vCPU VM in Cluster A and configuring it with 2 Sockets and 5 Cores Per Socket will result in 2 vNUMA nodes.
- C. Placing a 10 vCPU VM in Cluster B and configuring it with 2 Sockets and 5 Cores Per Socket will result in 2 vNUMA nodes.
- D. Enabling Memory Hot Add on a virtual machine will disable vNUMA.
- E. Placing the VM in Cluster B and configuring it with 5 Sockets and 2 Cores Per Socket will result in 1 vNUMA node.

Answer: ABC

NEW QUESTION 23

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:

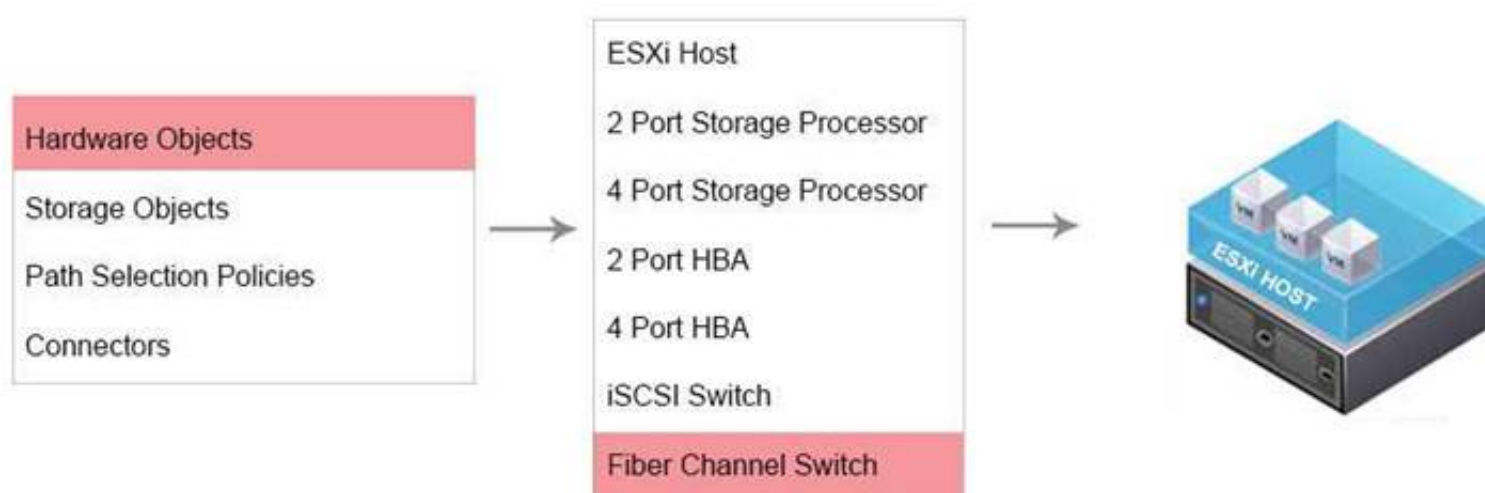
- The existing Fibre Channel (FC) Asymmetrical Active/Active Array and FC switches must be used.
- No single point of failure to any datastore.
- Configuration must provide failover and load balancing.
- The customer requires a solution that will accommodate virtual machines with three different I/O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

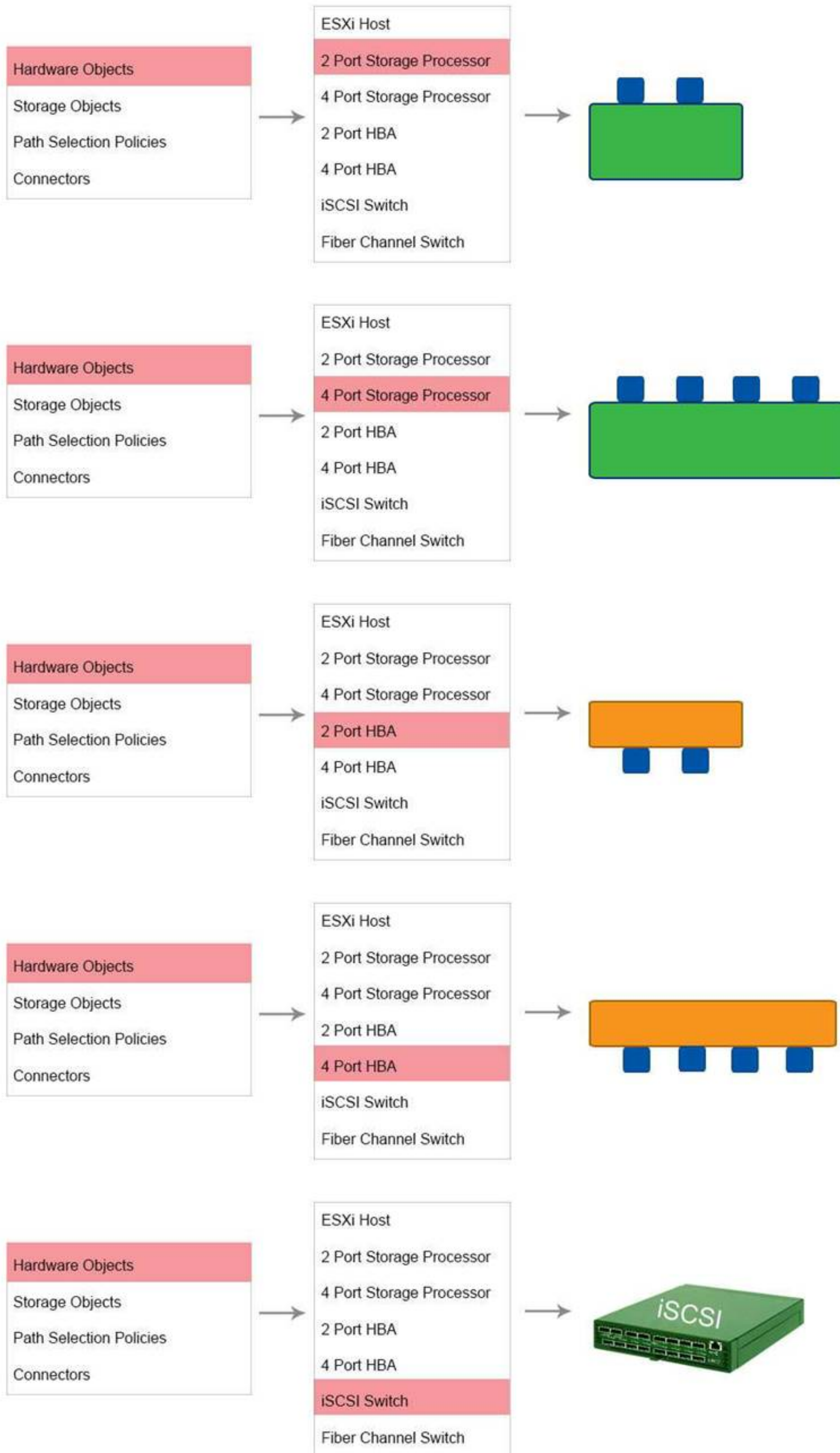
Design Requirements:

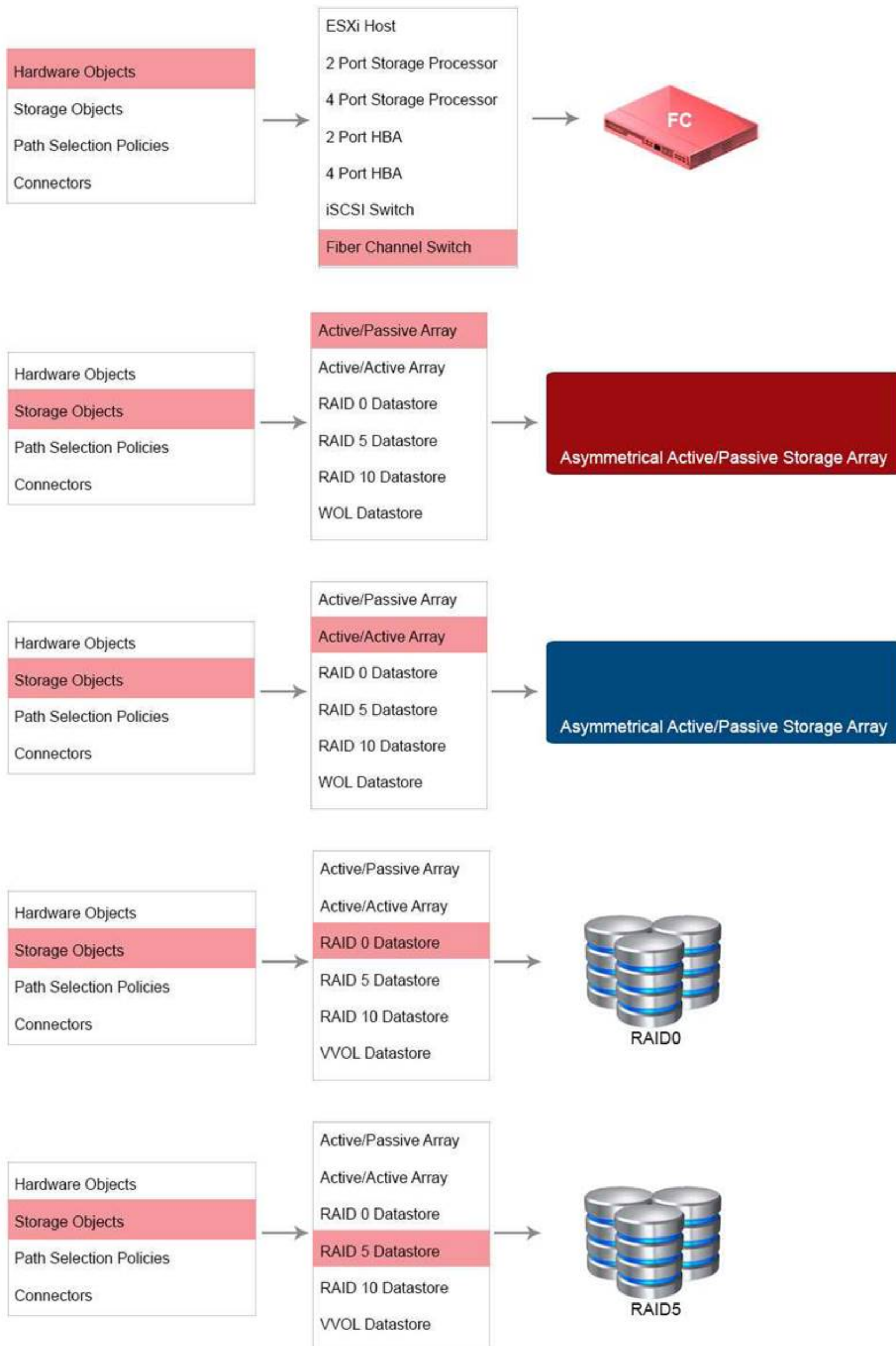
Create a logical design that be applied to each of the ESXi Hosts. The design should meet, but not exceed the customer's requirements and should include:

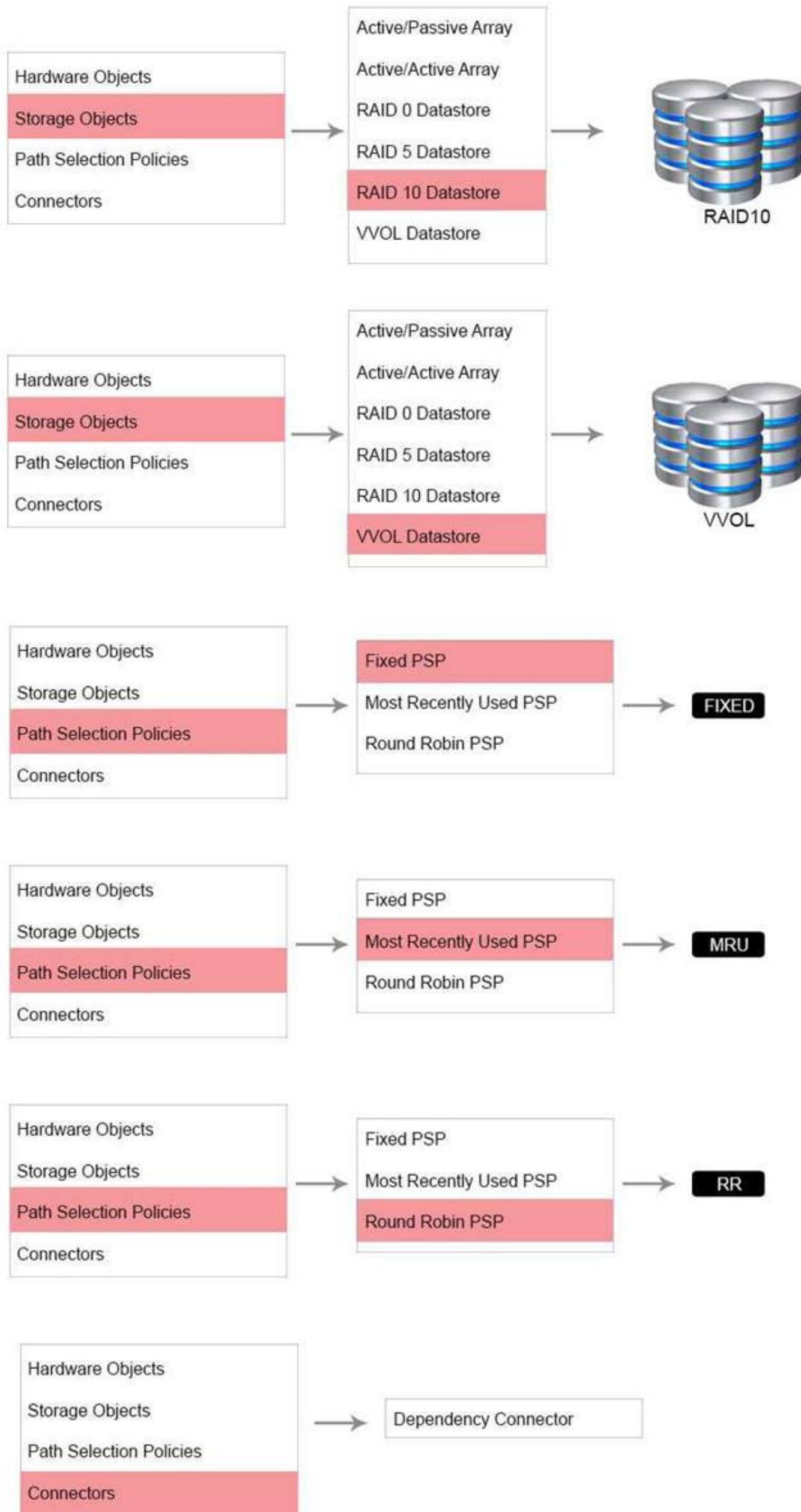
- All required hardware
- All required resources

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.







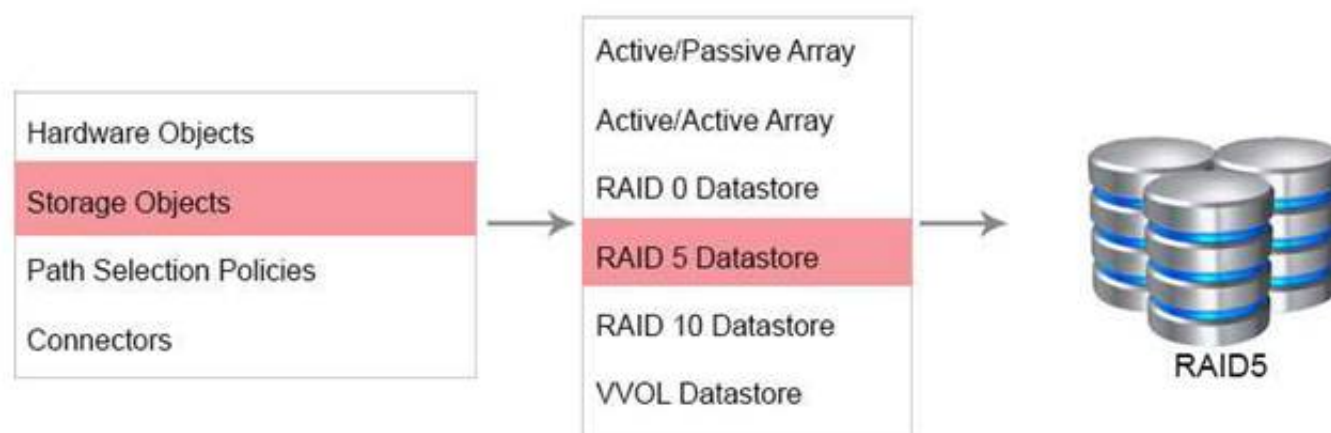
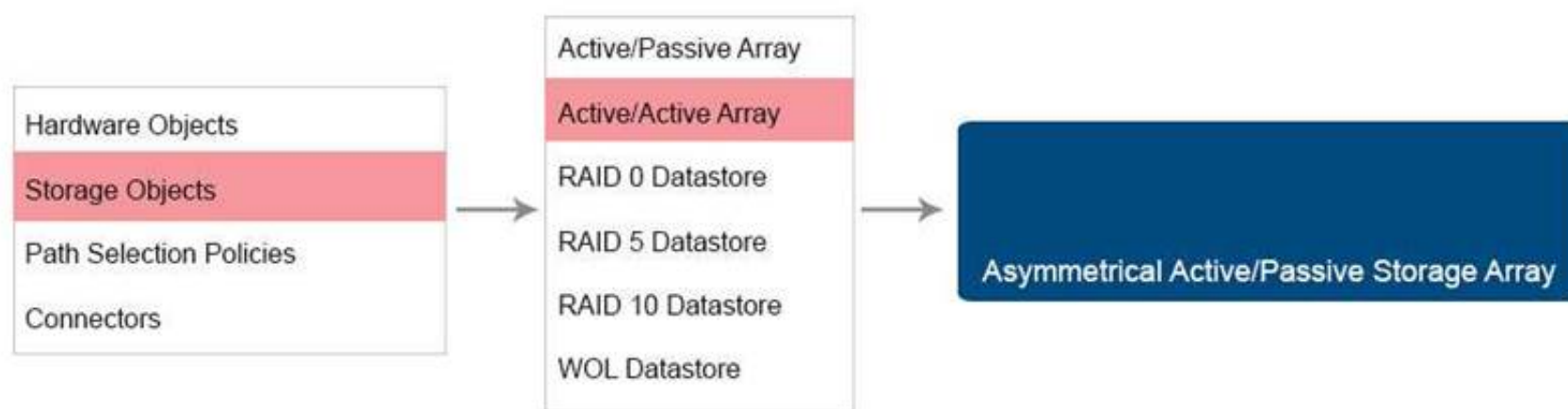
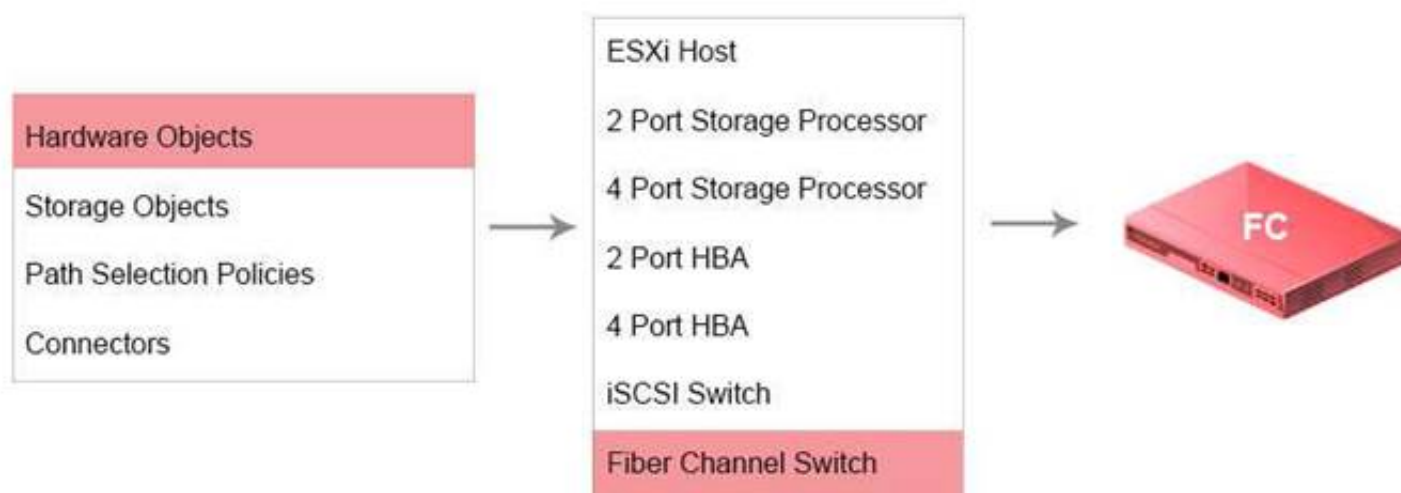
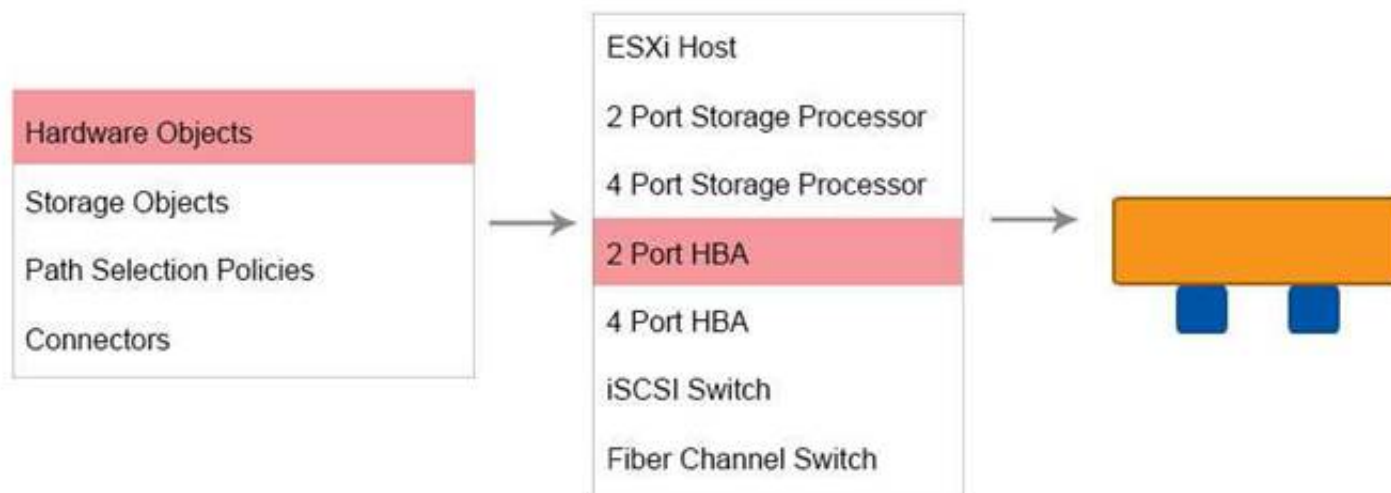
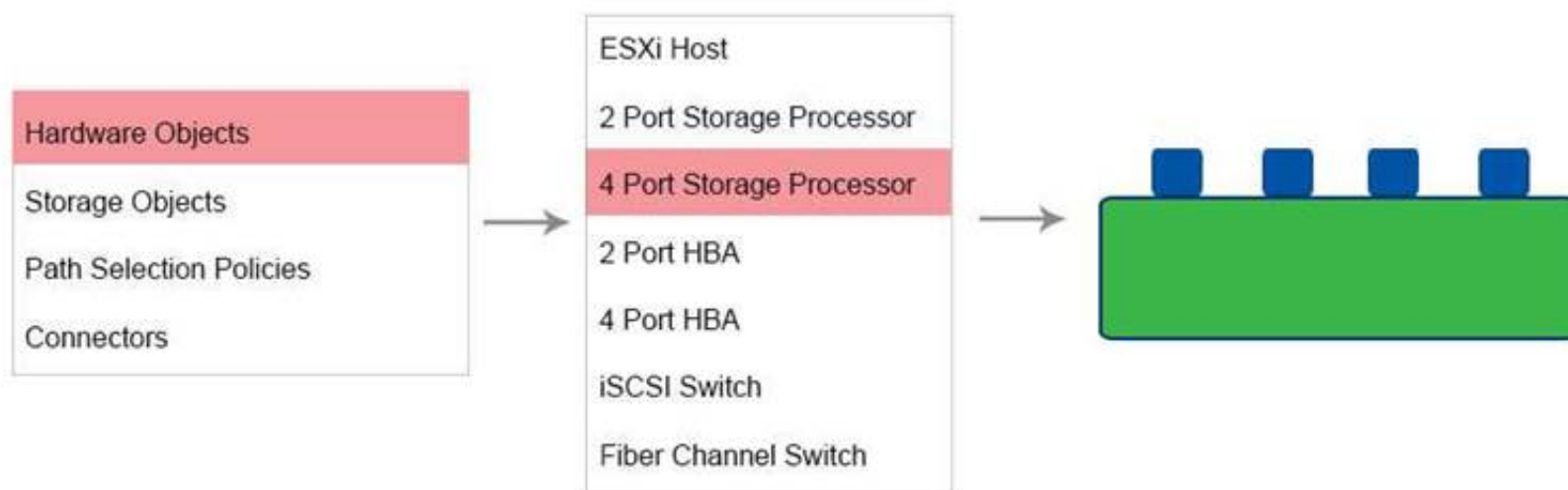


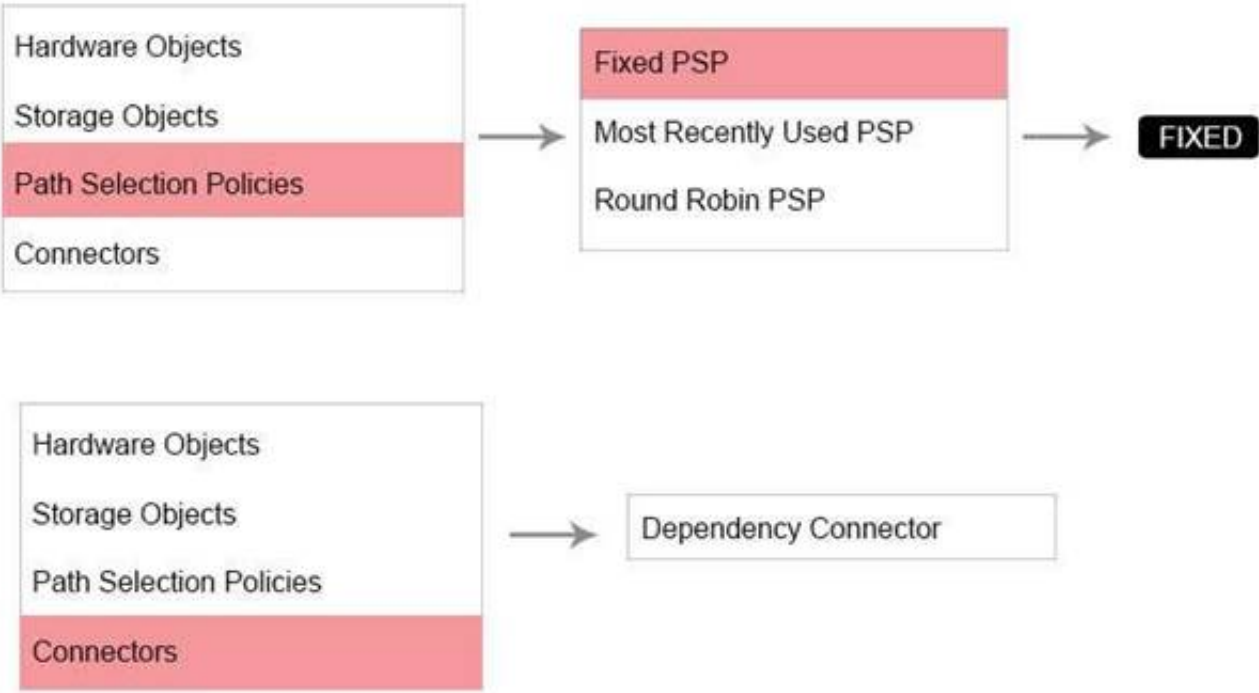
- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Check below for answer solution





NEW QUESTION 26

You have been tasked with creating a vSphere 6.5 center design for an organization. The organization is currently evaluating vSphere network technologies that can be utilized with their existing infrastructure. Evaluate each statement provided through requirements gathering and determine the network technologies that can be used to meet that requirement. The technology(s) chosen should be limited to what is needed to meet, but not exceed, the given requirement. Match Statements on the left by dragging the red buttons (S1-S6) over the text of the appropriate Solution. NOTE: Statements can match more than one Solution or none at all.

Statement		Solution	
S1	The design should be able to support six ESXi hosts, four portgroups, vMotion, and iSCSI.		vSphere Standard Switch
S2	We plan to add ten additional VLANs to our physical network to allow communication to our remote office over a site-to-site VPN.		vSphere Distributed Switch
S3	We plan to utilize Link Aggregation in the future, and integrate traffic monitoring into our existing NetFlow configuration.		VMware NSX
S4	We would like to load balance our VM traffic, and we want to segment traffic with separate gateways for hosted customers.		PVLANs
S5	We want to determine if our infrastructure can support virtual machine migration over long distance.		Multiple TCP/IP Stacks
S6	We would like to gain greater control over our individual traffic types, and are thinking of adding Network I/O Control to the design.		

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Statement		Solution	
S1	The design should be able to support six ESXi hosts, four portgroups, vMotion, and iSCSI.	vSphere Standard Switch	S5
S2	We plan to add ten additional VLANs to our physical network to allow communication to our remote office over a site-to-site VPN.	vSphere Distributed Switch	S1 S3
S3	We plan to utilize Link Aggregation in the future, and integrate traffic monitoring into our existing NetFlow configuration.	VMware NSX	S2
S4	We would like to load balance our VM traffic, and we want to segment traffic with separate gateways for hosted customers.	PVLANs	S4
S5	We want to determine if our infrastructure can support virtual machine migration over long distance.	Multiple TCP/IP Stacks	S6
S6	We would like to gain greater control over our individual traffic types, and are thinking of adding Network I/O Control to the design.		

NEW QUESTION 31

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 33

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