

3v0-624 Dumps

VMware Certified Advanced Professional 6.5 - Data Center Virtualization Design Exam

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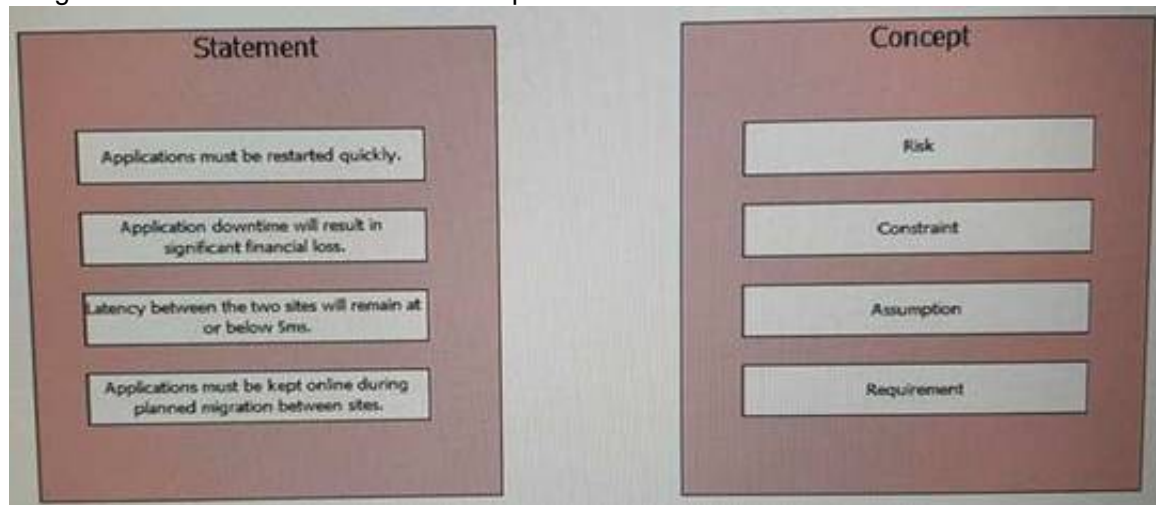
NEW QUESTION 1

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

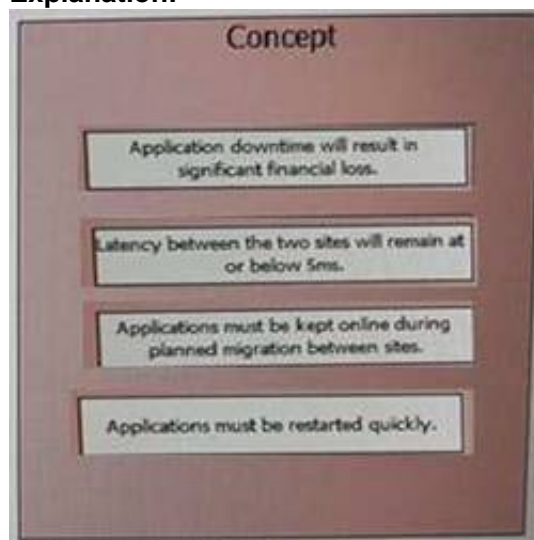
Drag each statement to its correct concept



- A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 2

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 3

A company is consolidating its IT operations efforts by moving the Finance, IT, and QA departments towards a self-service environment, following SDDC best practices.

- All departments have different priorities and expectations for uptime of the required infrastructure and applications.
- Project stakeholders are still discussing final approvals for the budget with the CFO.
- To drive down the operating cost of the environment, only blade servers will implement this project.
- To ensure business continuity, a colocation provider was chosen to fail over virtual machines.
- The implementation of the project will follow a public reference architecture provided by VMware. What is the assumption in this scenario?

- A. The chosen architecture is sufficient.
B. All departments demand different SLAs.
C. Final budget approvals are being discussed.
D. The environment will be shared by several departments.

Answer: A

NEW QUESTION 4

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 back up space will not be sufficient if using VM Encryption.
- D. The current firewalls will support the additional workloads.

Answer: AB

NEW QUESTION 5

After the vSAN iSCSI Target service is enabled, which statement about iSCSI networks is true?

- A. A separate VMkernel interface may be configured per target.
- B. A single VMkernel interface must be selected for all iSCSI targets.
- C. The vSAN iSCSI Target service always uses all Management VMkernel interfaces.
- D. The vSAN iSCSI Target service always uses the vMotion network.

Answer: A

NEW QUESTION 6

When considering server consolidation, plan on running vCPUs per core.

- A. 1 to 2
- B. 3 to 4
- C. 4 to 6
- D. 6 to 8

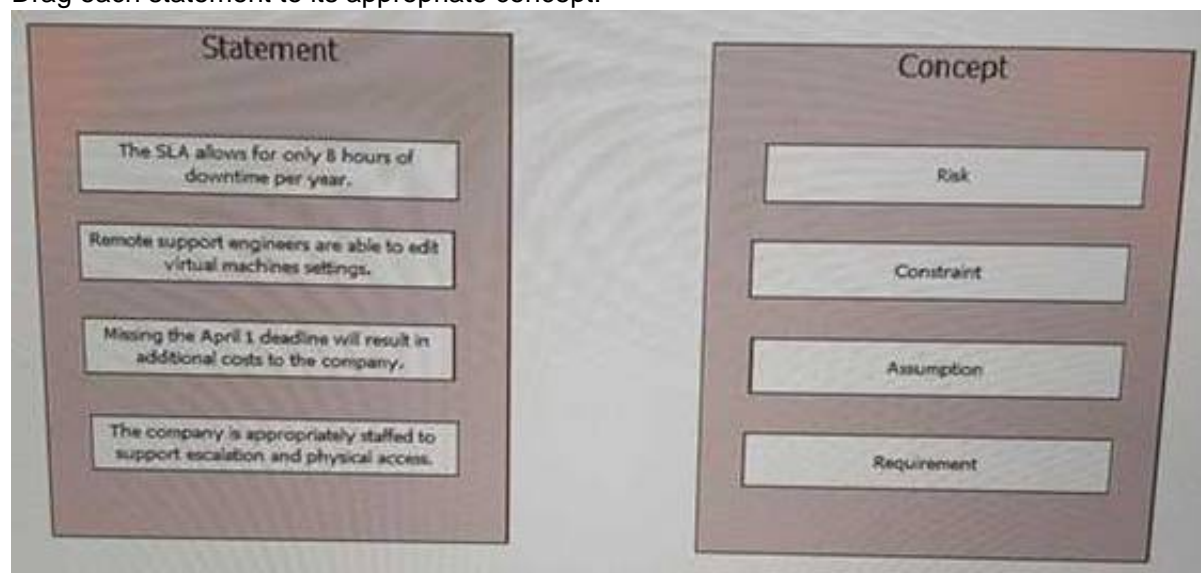
Answer: A

NEW QUESTION 7

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 supposed 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.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Risk --> Missing the April 1 deadline...

Constraint --> Remote support...

Assumption --> The company is...

Requirement --> The SLA allows for..

NEW QUESTION 8

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 9

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 10

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 10

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 14

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

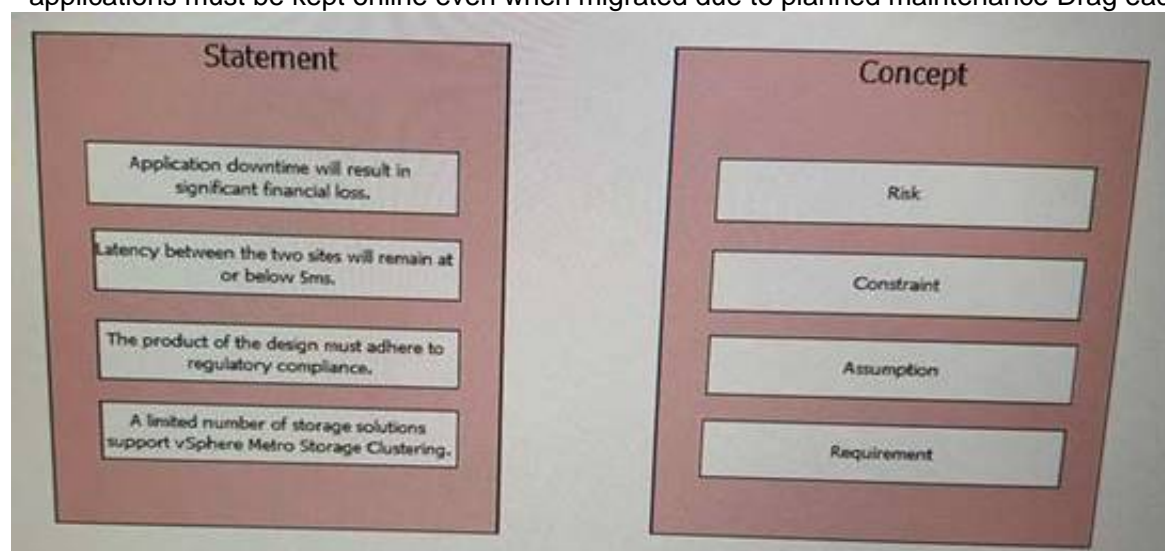
NEW QUESTION 17

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:

- 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



- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Risk--> App downtime..

Constraint --> The product of the desing must...

Assumption --> A limited number of storage...

Requirement --> Latency between the two sites...

NEW QUESTION 18

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 21

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.I
C. FCoE
D. iSCSI

Answer: B

NEW QUESTION 23

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 24

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:

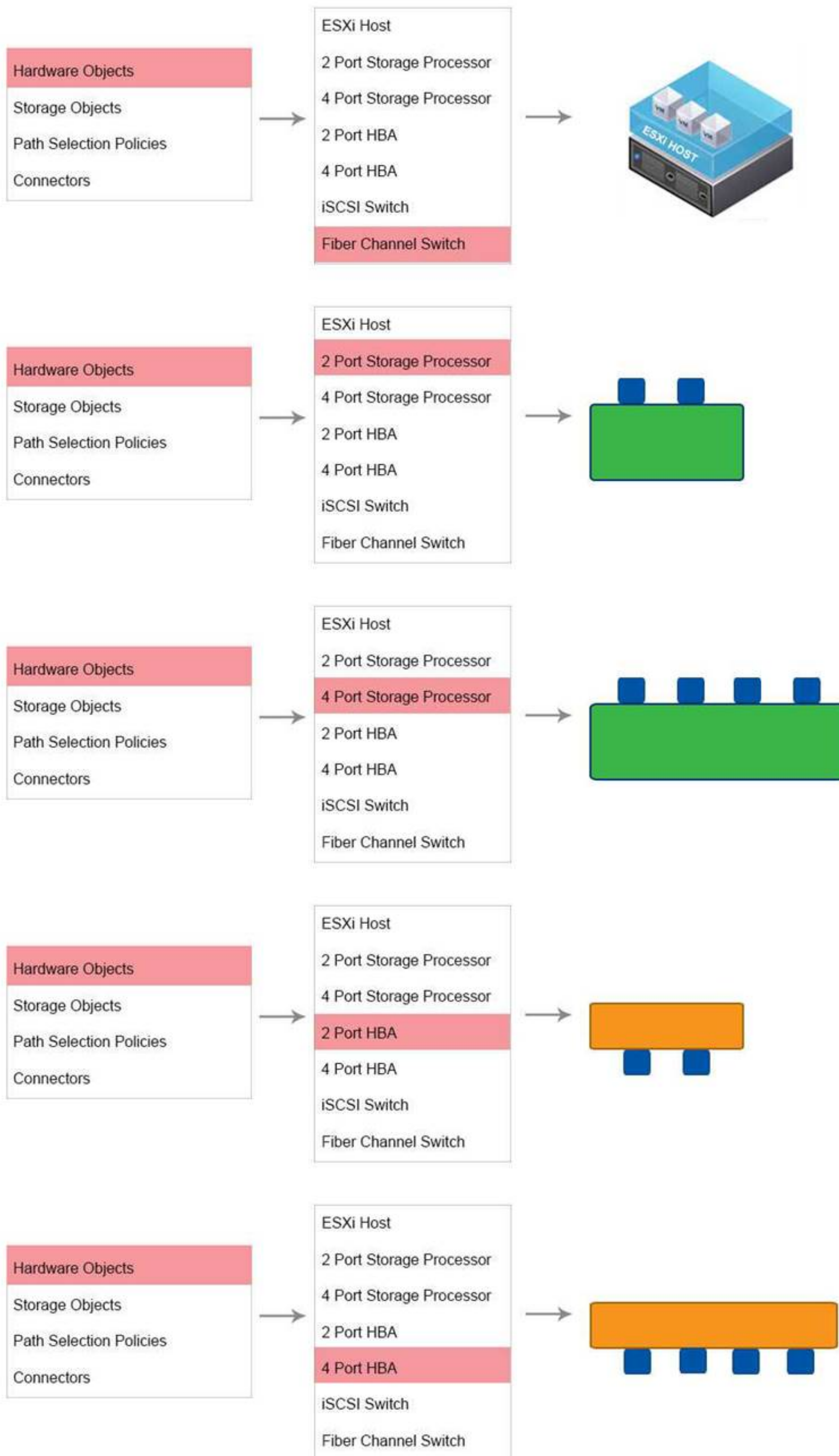
- The existing Fibre Channel (FC) Asymmetrical Active/Active Array and FC switches must be used.
- No single point of failure to any datastore.
- Configuration must provide failover and load balancing.
- The customer requires a solution that will accommodate virtual machines with three different I/O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

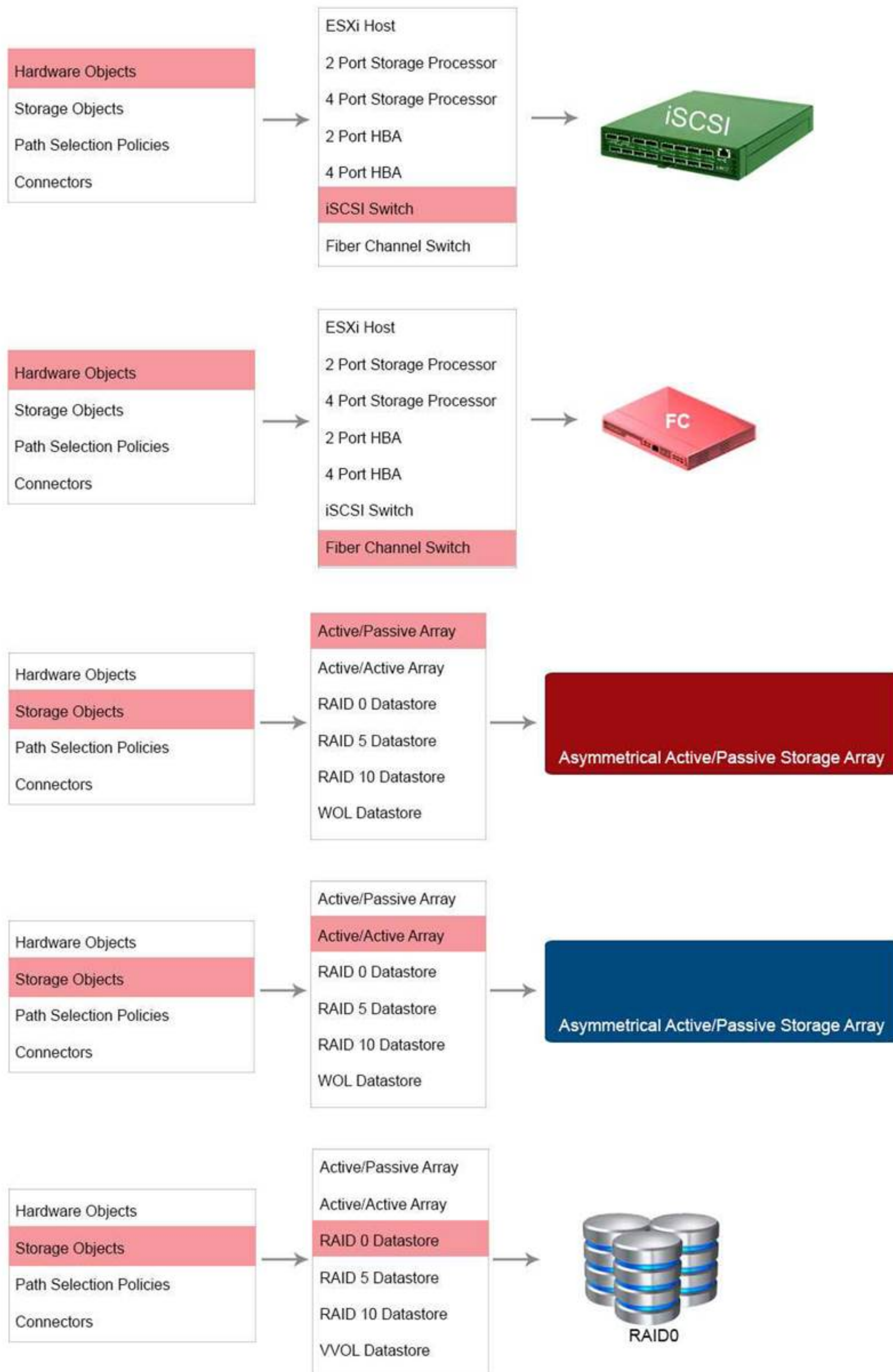
Design Requirements:

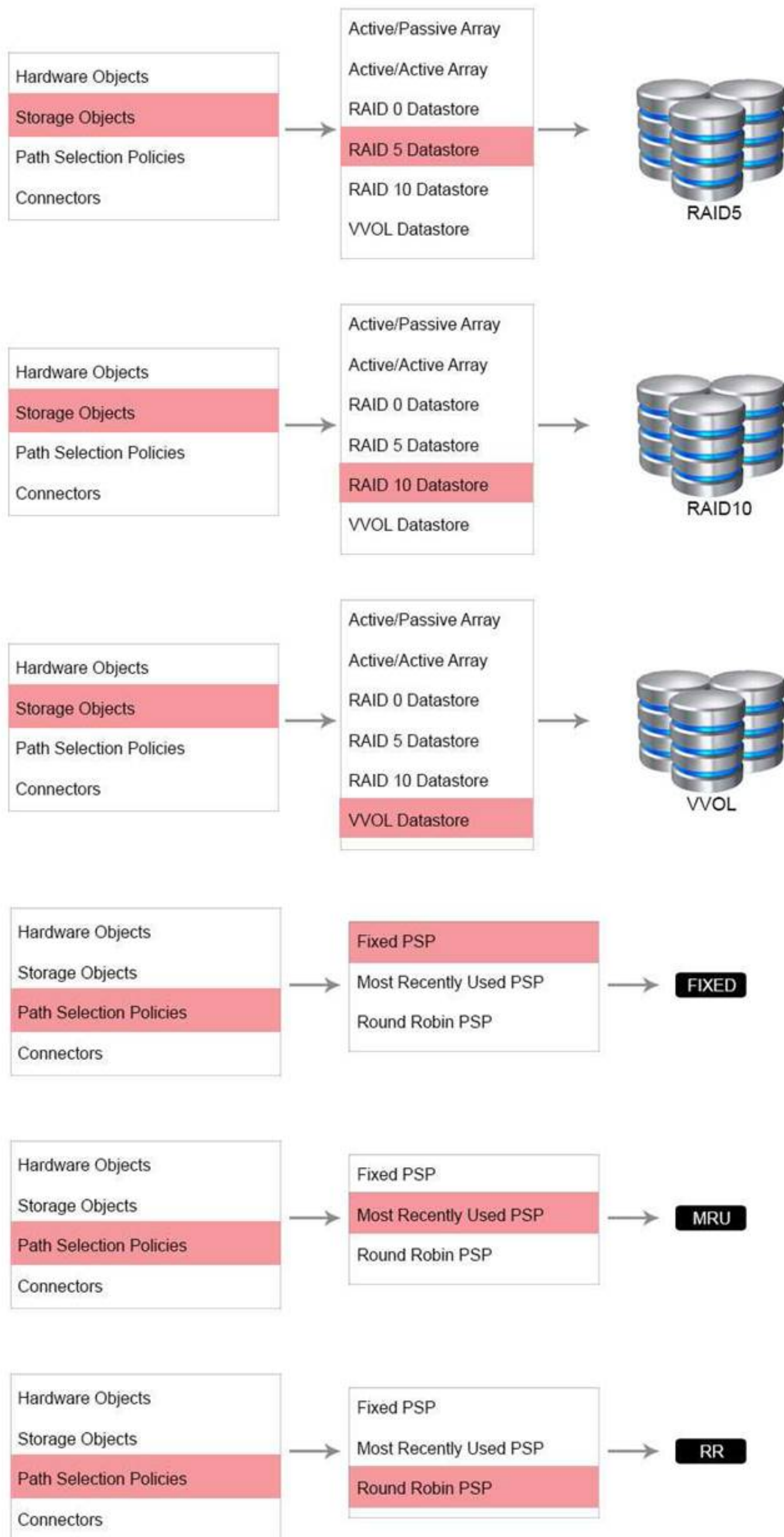
Create a logical design that be applied to each of the ESXi Hosts. The design should meet, but not exceed the customer's requirements and should include:

- 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.







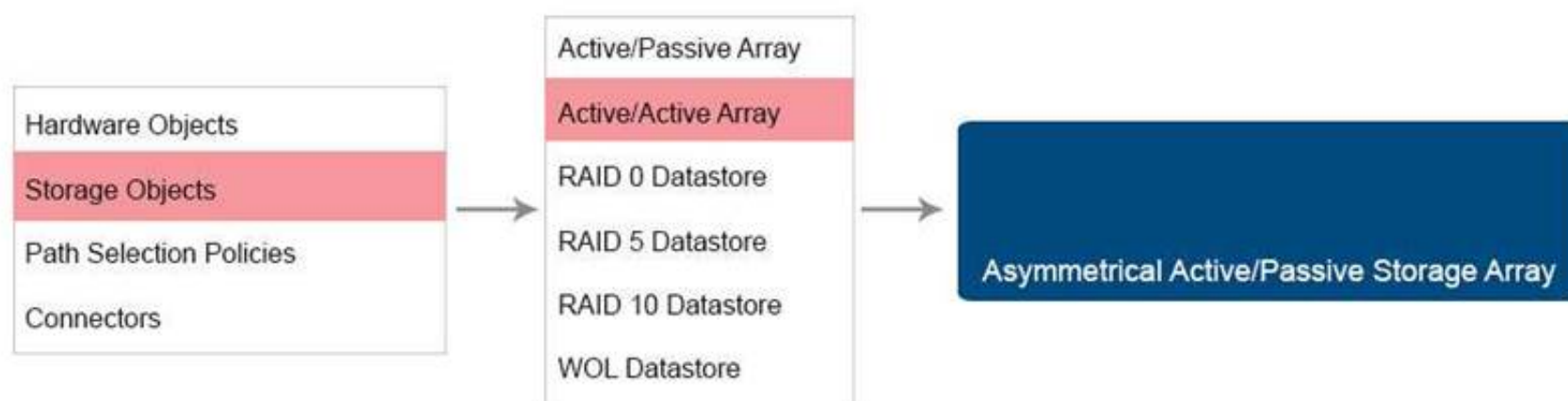
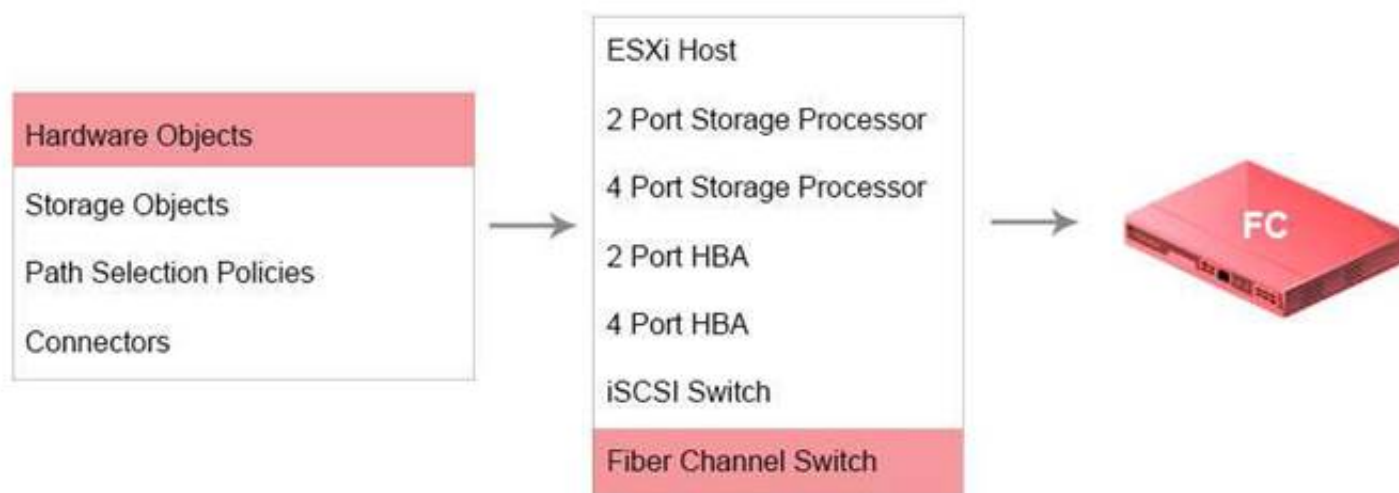
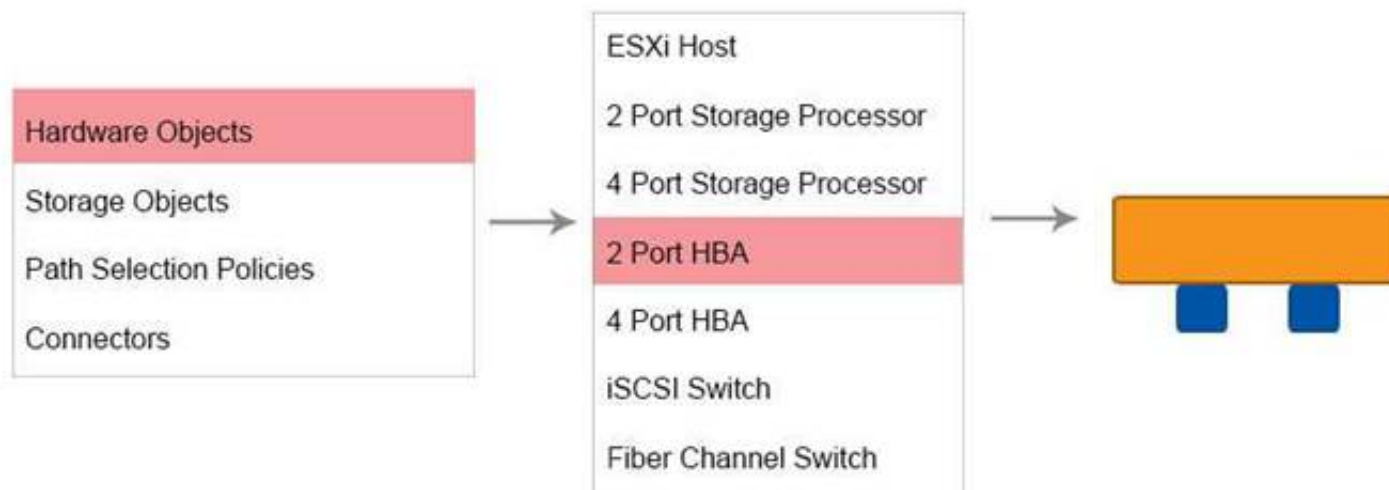
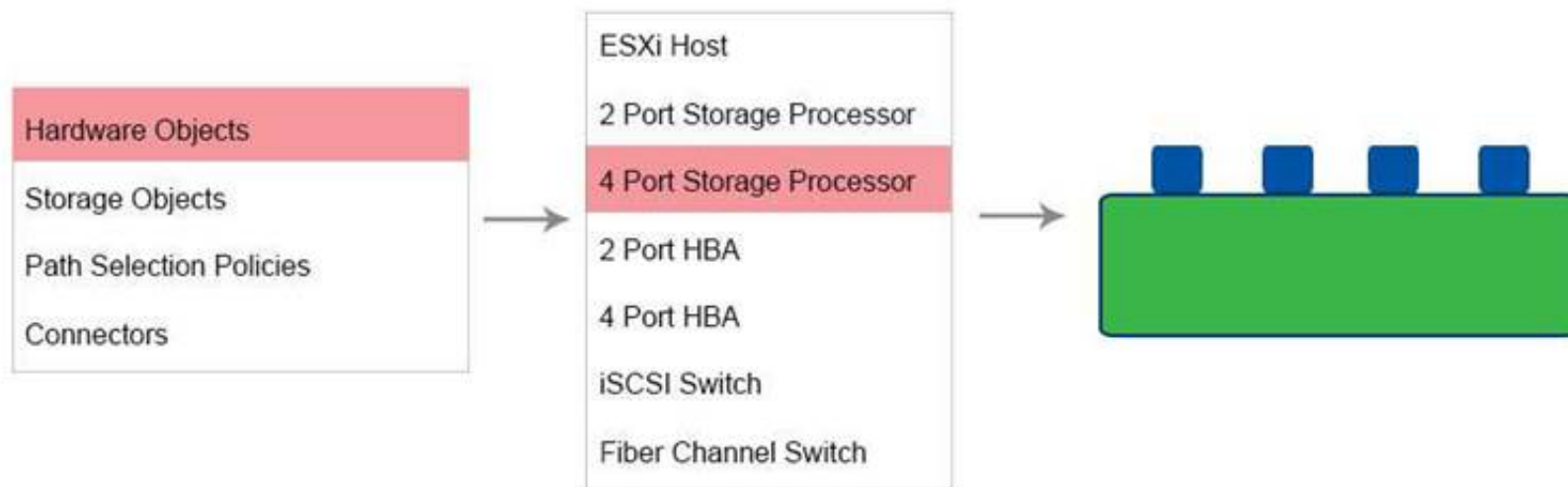


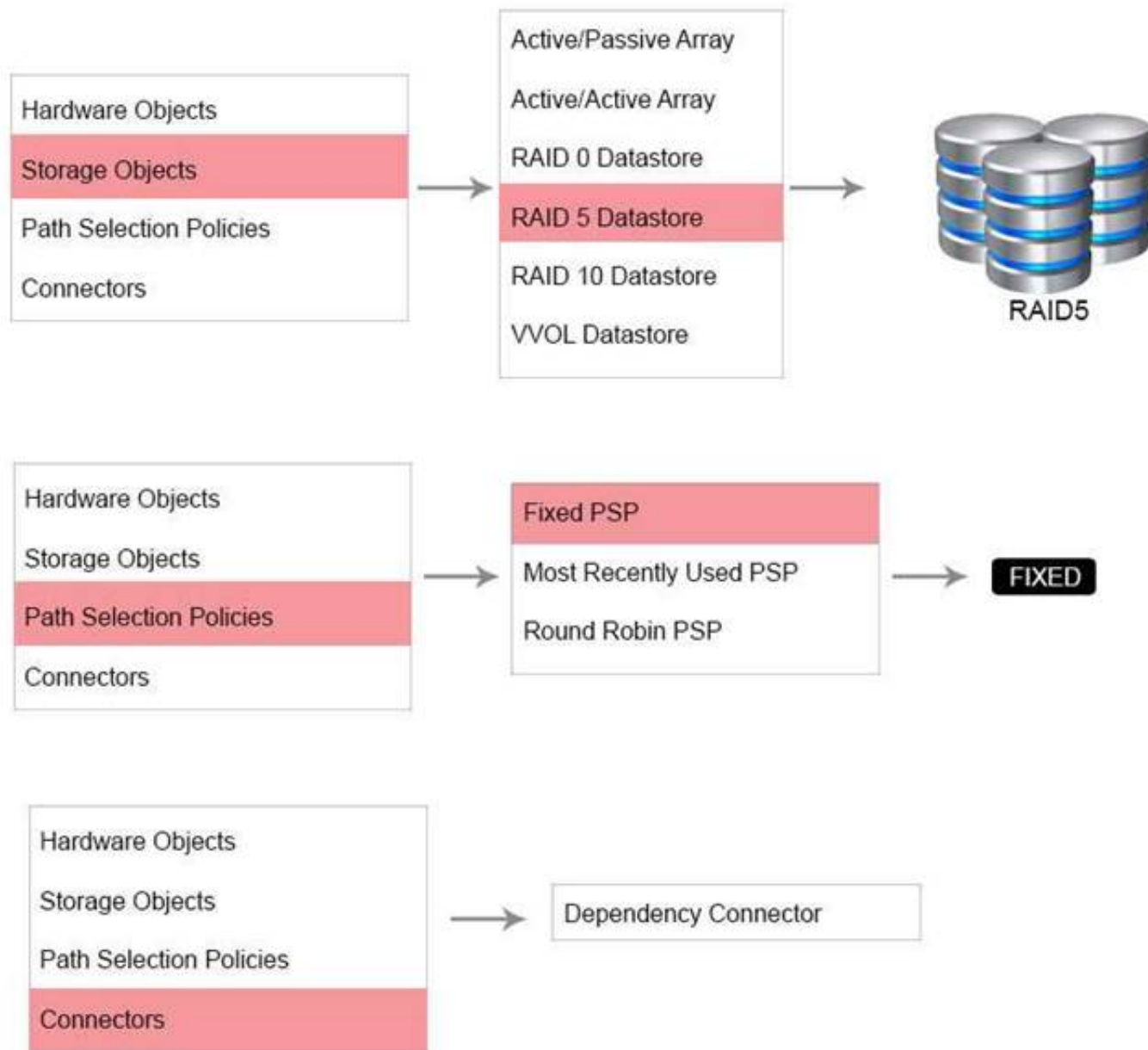
- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Check below for answer solution





NEW QUESTION 26

A solution architect has been tasked with designing a new environment for a company's growing needs, and has obtained this information:

- Uptime is critical during regular business hours when 95% of the transactions occur. Application uptime must be 99.9% during those hours.
- In a true Disaster, the business can withstand a day of data loss and half a day of downtime.
- The company is one year into a 5-year contract with the co-lo data center.
- The building that is currently occupied no longer has any floor space available, but the company has 3 empty racks of space. The co-lo can provide up to 11KVA of power per rack.
- There are current contacts with Dell to provide servers and with Cisco to provide the network components.
- The network team has standardized on an end-to-end 10Gb network.

Based on this information, what are two requirements for the new design? (Choose two.)

- A. RTO of 24 hours.
- B. RTO of 12 hours.
- C. The application must be available 99.9% during business hours.
- D. 11KVA of power is available per rack.

Answer: BC

NEW QUESTION 31

When configuring HA, which admission control policy should be used?

- A. Host Failure Cluster Tolerates
- B. CPU and Memory Percentage for Failover
- C. Standby Host
- D. None of the above

Answer: B

NEW QUESTION 33

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 37

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