

## 3v0-624 Dumps

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

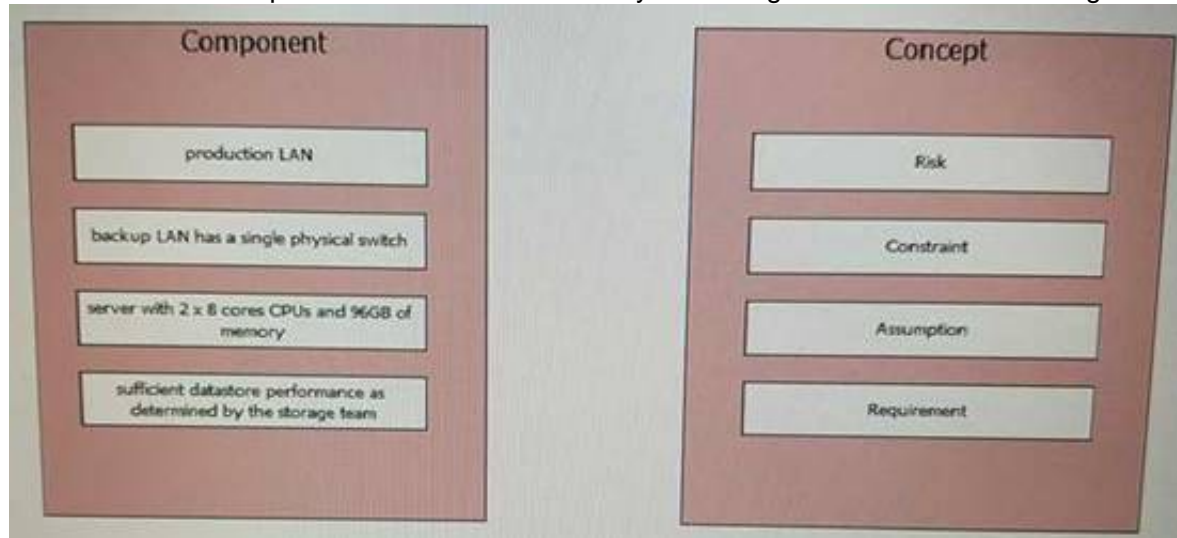
<https://www.certleader.com/3v0-624-dumps.html>



### NEW QUESTION 1

A 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.



- A. Mastered  
B. Not Mastered

**Answer:** A

#### 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

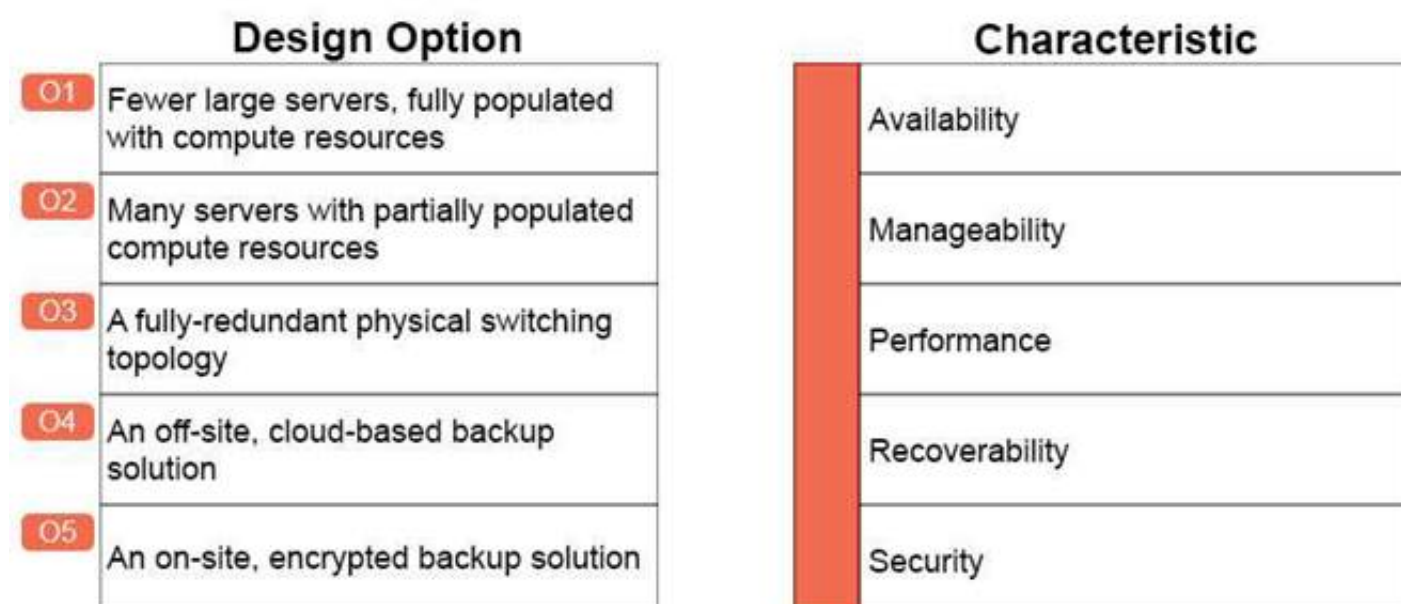
Requirement = Production LAN

### NEW QUESTION 2

You have been tasked with creating a vSphere 6.5 data center design for an organization. The organization is evaluating various design options and their impact on the design. For each design option, determine the design characteristic that would be affected by utilizing the option.

Match each Design Option on the left to the Characteristic on the right by dragging the red button (O1-O5) over the text of the appropriate Characteristic.

NOTE: Design Options can be mapped to more than one Characteristic or none at all.



- A. Mastered  
B. Not Mastered

**Answer:** A

#### Explanation:

Design Option	Characteristic
<b>O1</b> Fewer large servers, fully populated with compute resources	Availability <b>O2</b> <b>O3</b>
<b>O2</b> Many servers with partially populated compute resources	Manageability <b>O1</b>
<b>O3</b> A fully-redundant physical switching topology	Performance <b>O5</b>
<b>O4</b> An off-site, cloud-based backup solution	Recoverability <b>O1</b> <b>O3</b>
<b>O5</b> An on-site, encrypted backup solution	Security <b>O4</b>

### 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

Statement	Concept
Applications must be restarted quickly.	Risk
Application downtime will result in significant financial loss.	Constraint
Latency between the two sites will remain at or below 5ms.	Assumption
Applications must be kept online during planned migration between sites.	Requirement

- A. Mastered  
B. Not Mastered

**Answer: A**

**Explanation:**

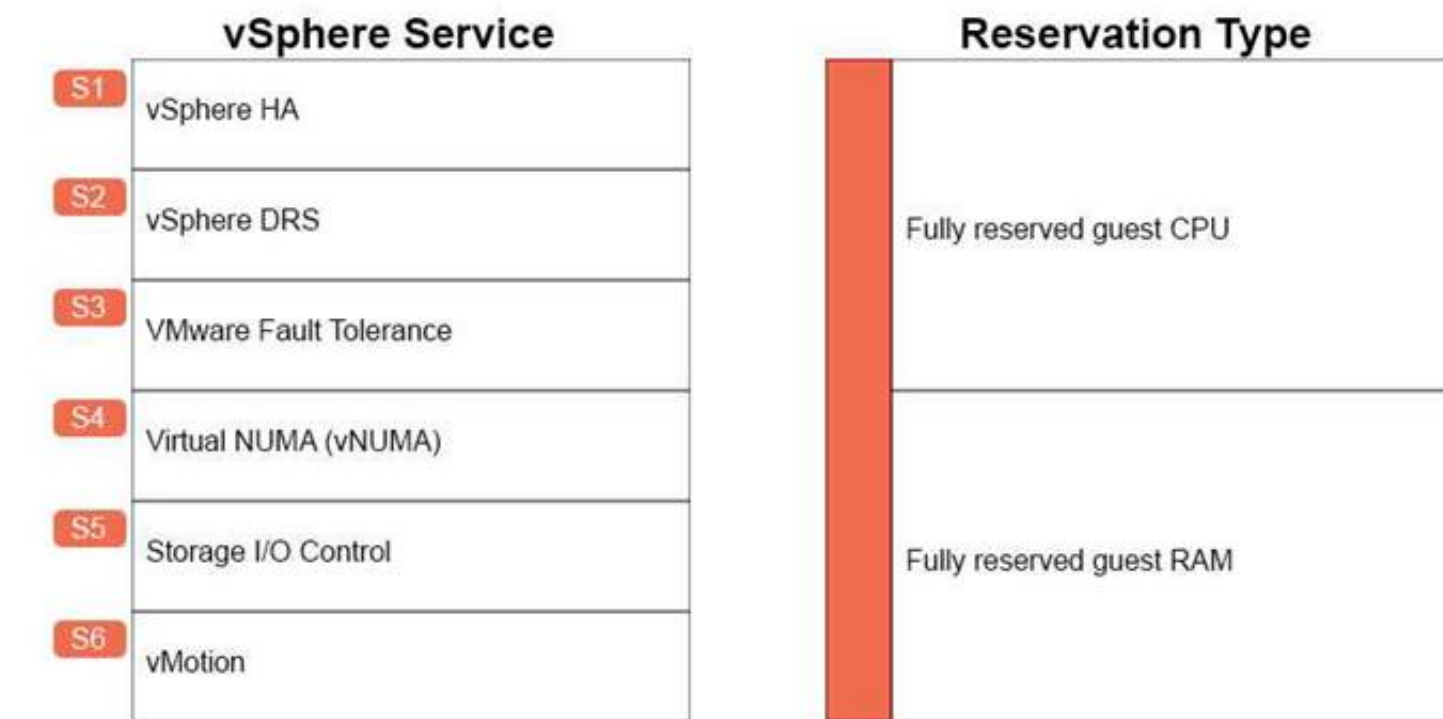
Concept
Application downtime will result in significant financial loss.
Latency between the two sites will remain at or below 5ms.
Applications must be kept online during planned migration between sites.
Applications must be restarted quickly.

### NEW QUESTION 4

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.

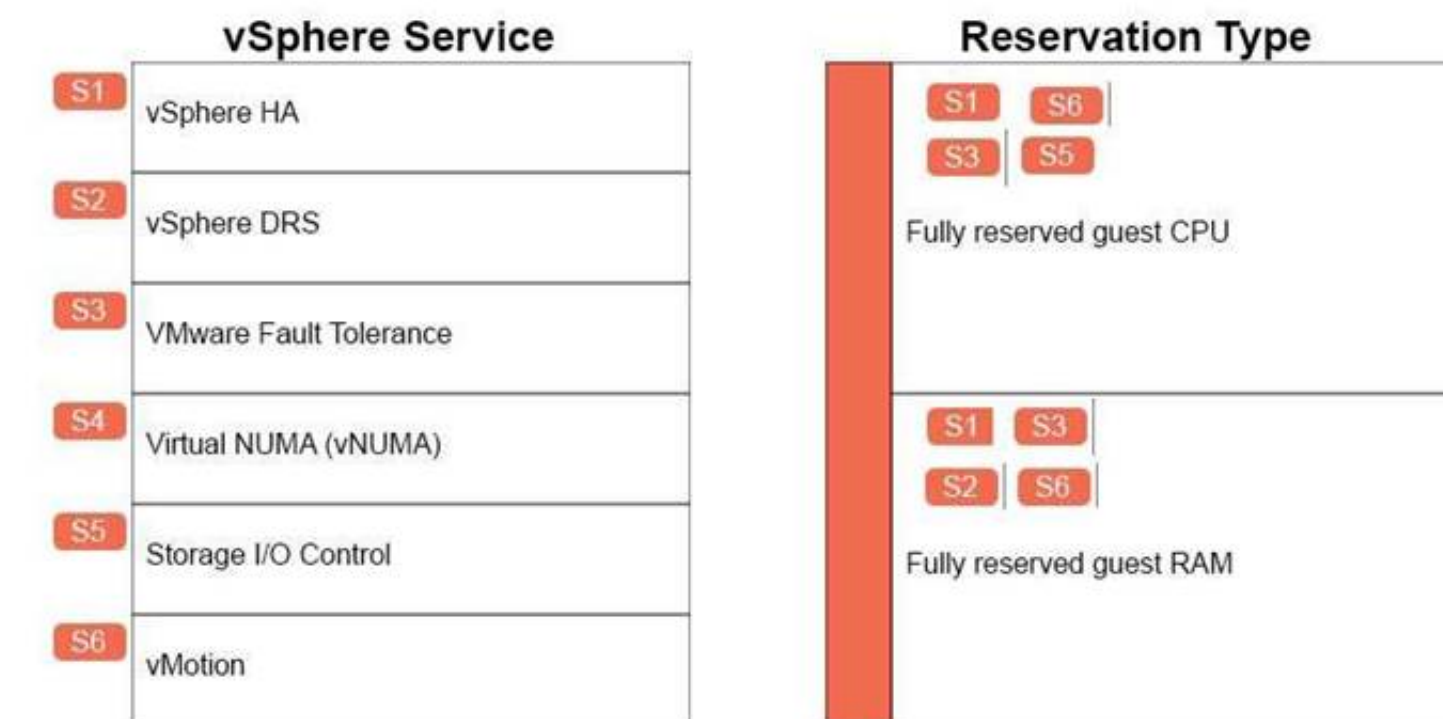
NOTE: A vSphere Service may allow for more than one Reservation Type or none at all.



- A. Mastered
- B. Not Mastered

**Answer:** A

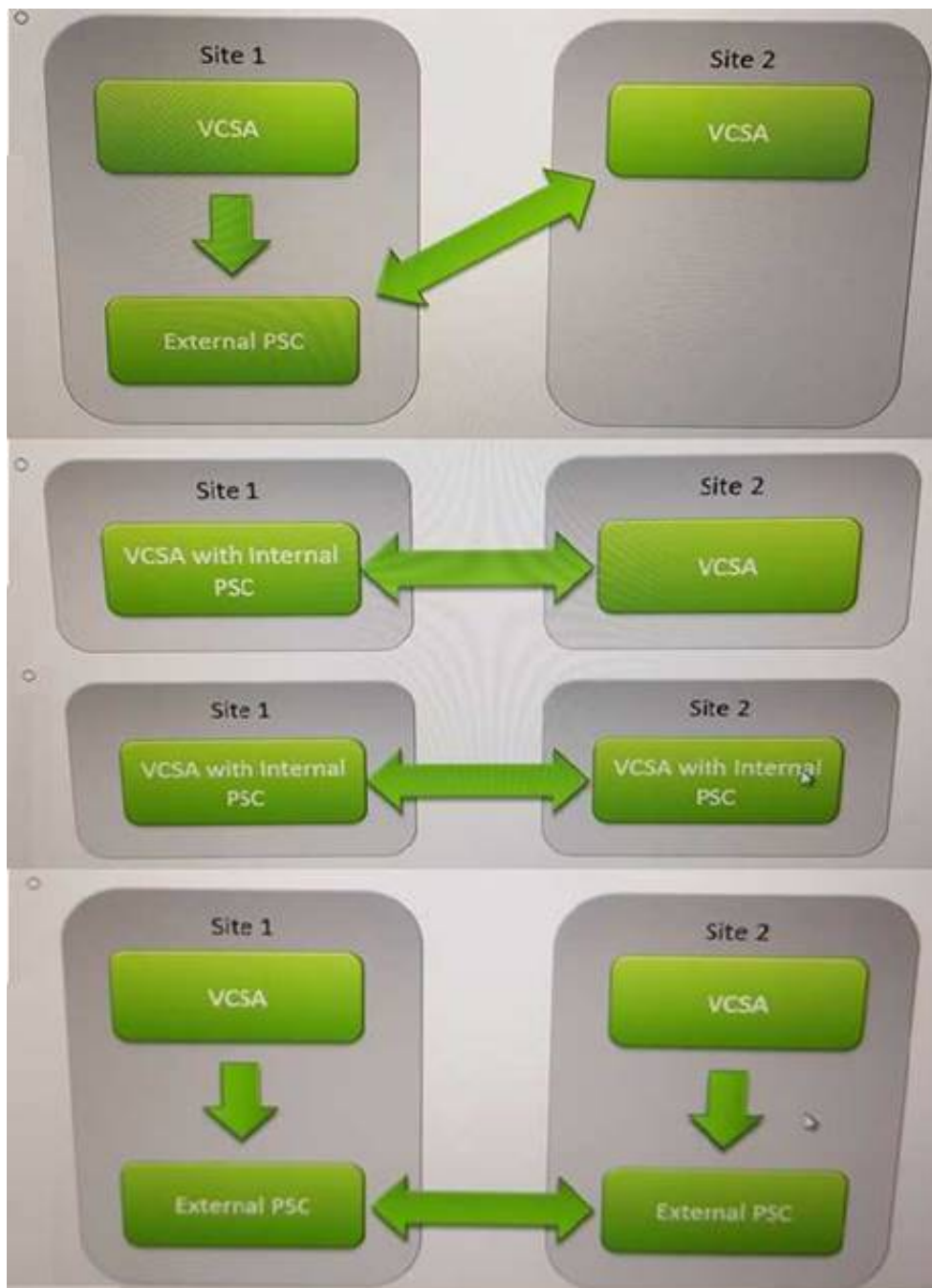
**Explanation:**



#### NEW QUESTION 5

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 6**

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 7**

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 8

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 9

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 10

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

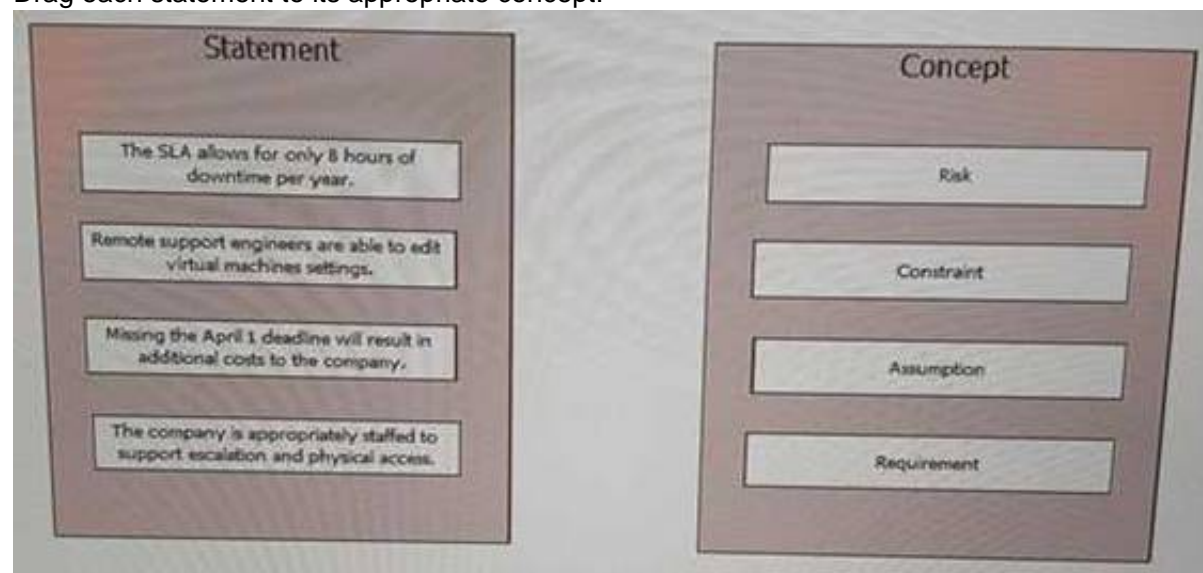
**Answer:** A

### NEW QUESTION 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 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 12

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 16

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

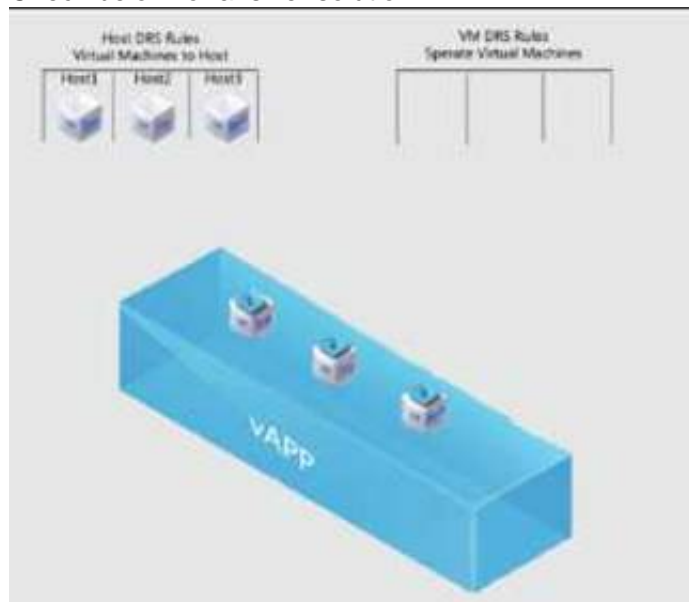
See the solution below

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Check below for answer solution



#### NEW QUESTION 17

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.)

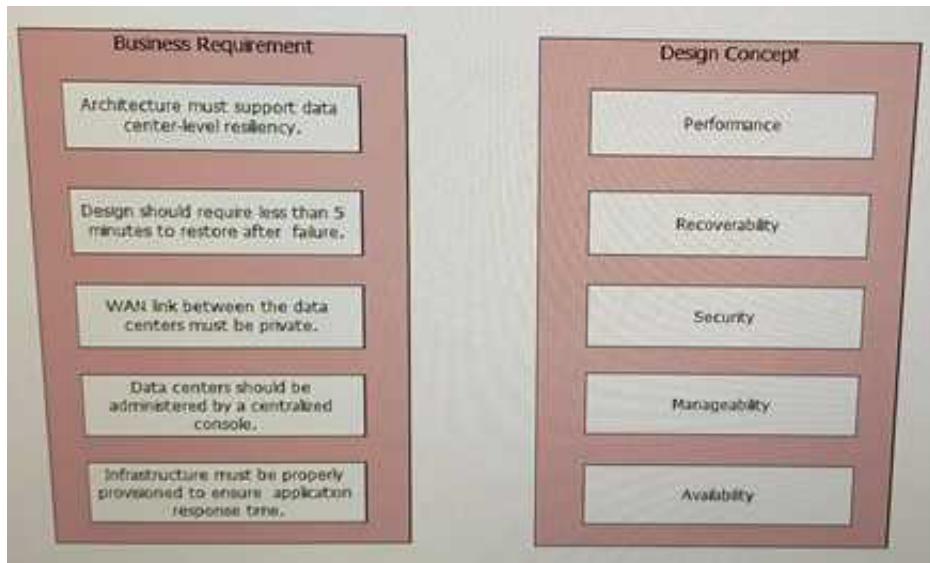
- A. Configure an additional datastore for snapshot storage
- B. Configure an additional datastore for vswap file storage
- C. Configure each virtual machine with a 4GB memory reservation.
- D. Configure each virtual machine with a 8GB memory reservation.

**Answer:** BD

#### NEW QUESTION 18

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 console Availability --> Architecture must support DC level resiliency

**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 27**

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 Labtown's 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 Instructions

- 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.

- A. Mastered
- B. Not Mastered

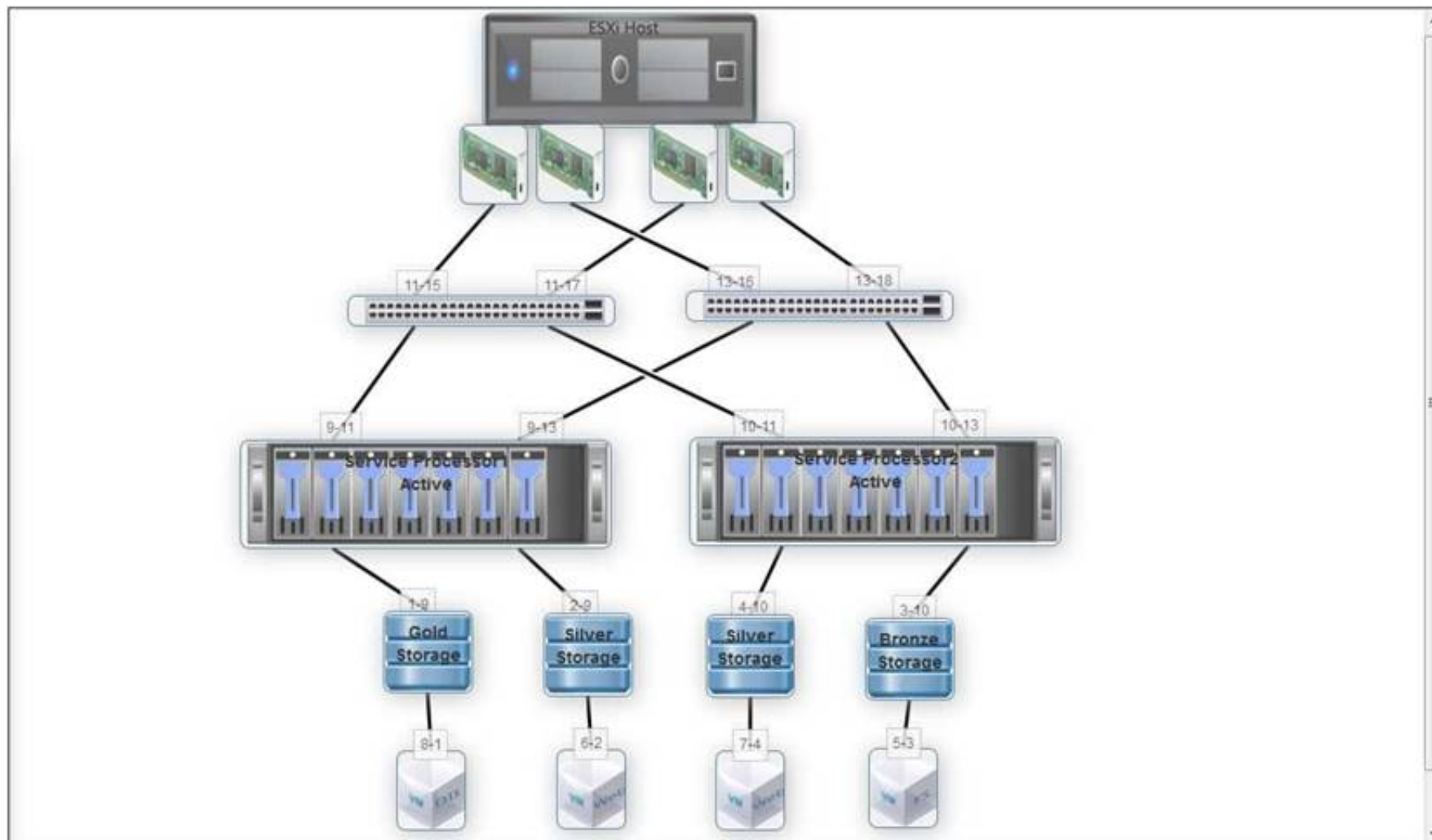
**Answer: A**

**Explanation:**

Check below for answer solution

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#### NEW QUESTION 28

You are a platform designer constructing a physical design from an existing approved logical design. Out of the vendor proposals, there are two proposed solutions that could be used. Which of the following options is the most important factor when making a decision?

- A. Community and vendor-based best practices
- B. Existing vendor relationships
- C. Project requirements
- D. Project budget

**Answer: C**

#### NEW QUESTION 31

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:

- recover from ESXi host hardware failures
  - zero downtime for a limited number of critical virtual machines (VMs)
  - migrate running VMs between ESXi hosts without interruption to the operating system
  - 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)

**Answer: ACD**

#### NEW QUESTION 35

A company has one data center site running 50 hosts and 400 virtual machines and requires a vSphere 6.5 design.

1. The CIO wants to add a secondary site for Disaster Recovery (DR) with A hours RPO.
  2. The application developer is concerned about anticipated growth as several new projects begin.
  3. The CISO is worried about data leaks and theft.
  4. The CTO would like to buy new servers with better specifications and higher consolidation ratio.
- Determine the critical requirements for each of the key stakeholders. Some requirements might have more than one stakeholder.

Business Requirements	Client CIO
Performance	Place here
Cost	Place here
Business Continuity	Place here
Disaster Recovery	Place here
Data Integrity	Place here

Client CTO
Place here
Place here

Client Developer
Place here

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Client CIO Disaster Recovery Business Continuity Data Integrity Client CTO Cost Performance Client Developer Performance

**NEW QUESTION 37**

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 38**

A company has requested a new vSphere 6.5 design that will allow it to finally break the 80% virtualization barrier by virtualizing its resource-intensive application.

- The application is highly available by design and includes application-aware clustering software capable of operating as a fully distributed system.
- The company's Application Version 2.0 consists of 386 small applications and middleware with non-persistent storage and 24 database virtual machines at each data center.
- When coupled with a proper load balancing solution, this application can continue operating even with the loss of an entire data center, but the small applications and middleware tiers within a data center must exist within the same broadcast domain.
- The database tier is tightly controlled with a firewall policy that only allows middleware tier access, and is replicated to other sites using a dedicated circuit.

Which two application requirements apply to this scenario? (Choose two.)

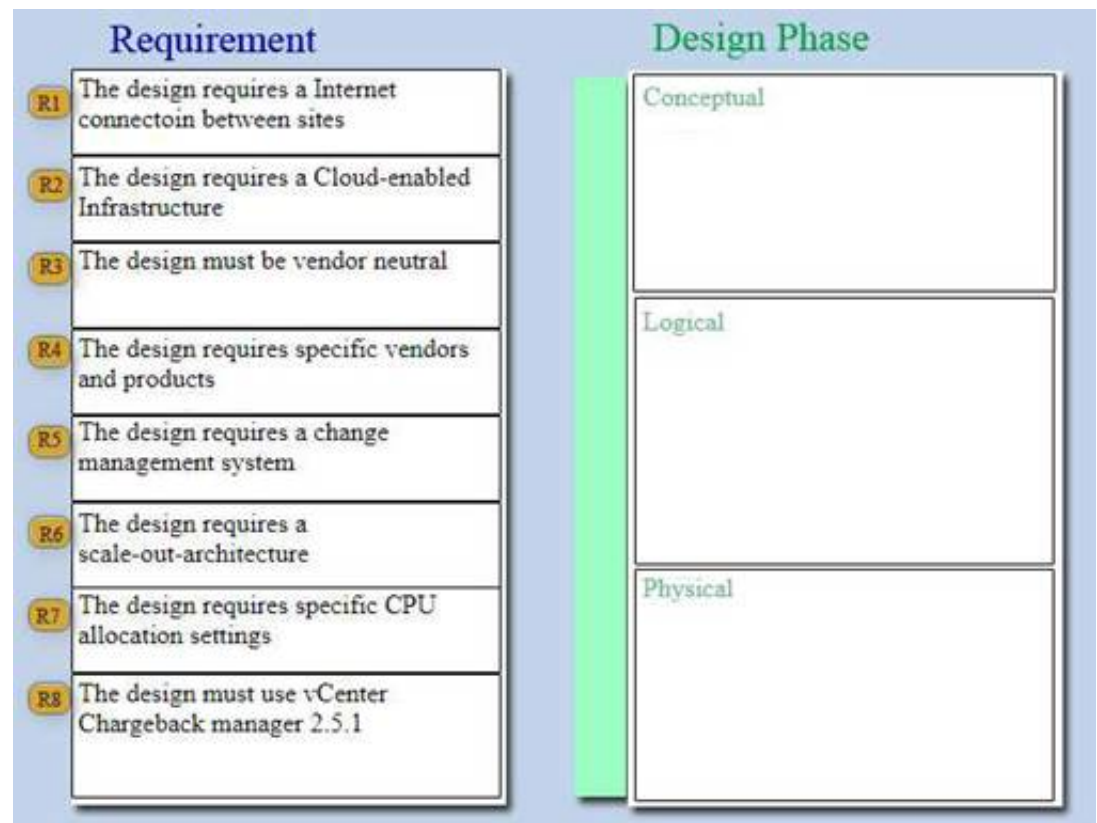
- A. The application will require the configuration of an IGMP stub and helper.  
B. Shared storage is required by the application clustering software.  
C. The application will require one large subnet.  
D. The application will require a method of balancing and recovering sessions between sites.

**Answer:** BC

**NEW QUESTION 43**

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.

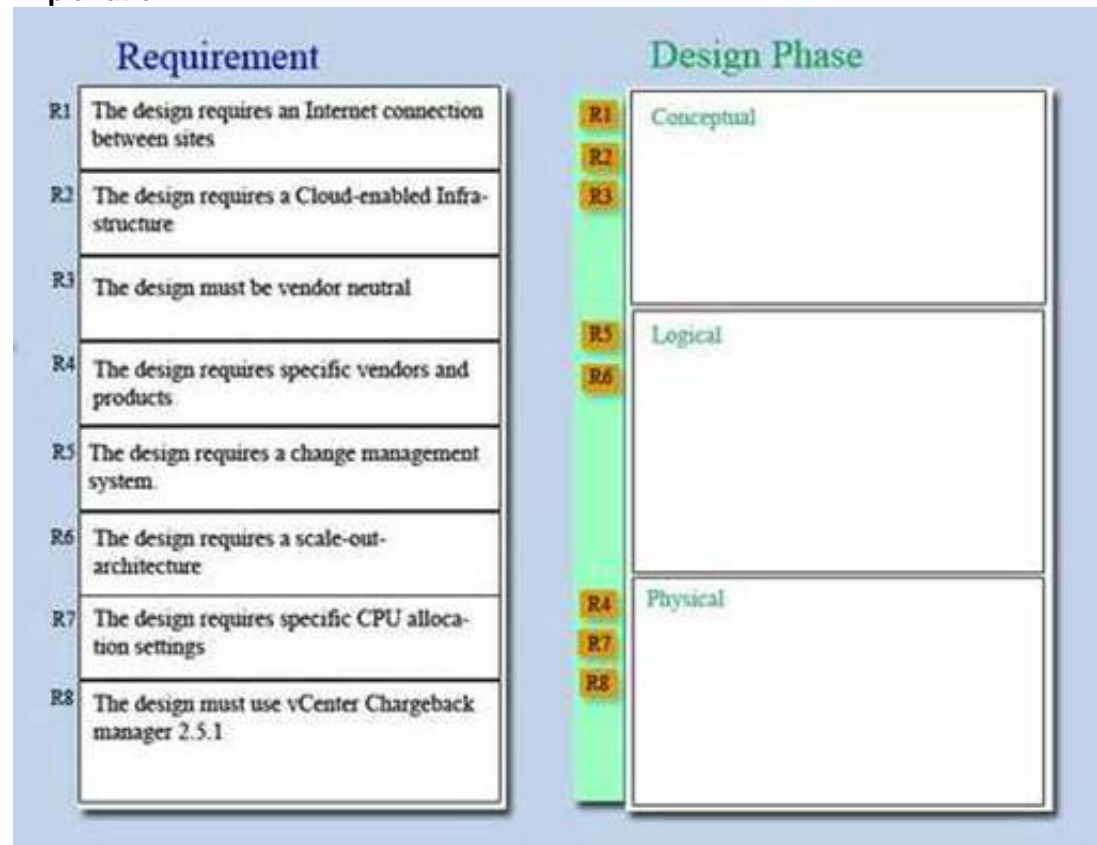
Drag a requirement button (R1-R8) over to the green space provided beside the corresponding Design Phase.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



#### NEW QUESTION 48

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

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

Answer: D

#### NEW QUESTION 50

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

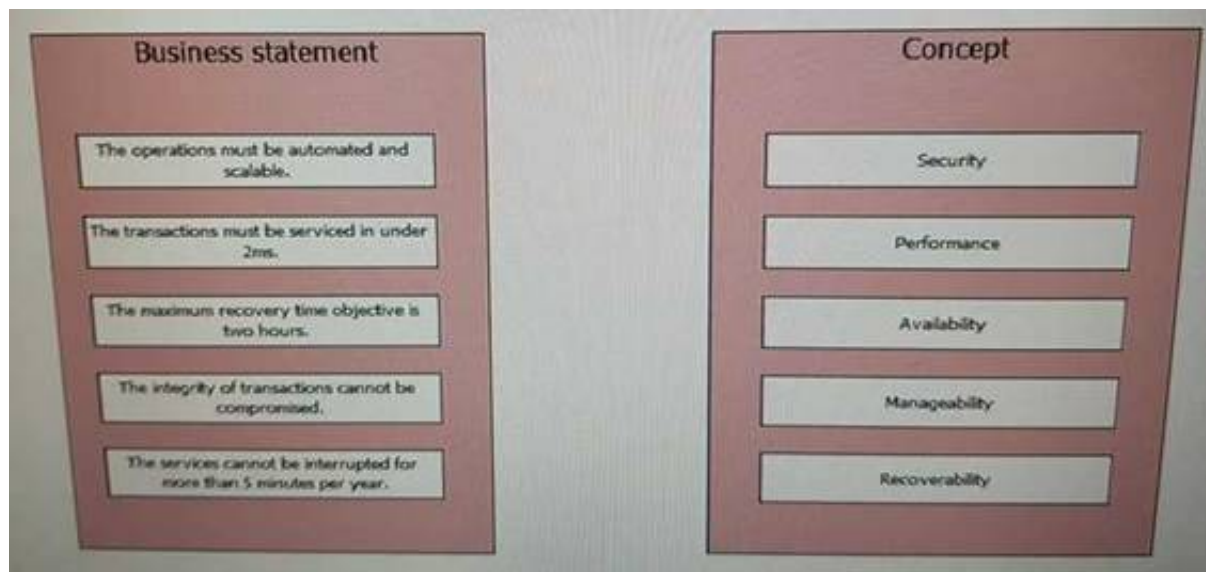
- A. Verify the design
- B. Verify that the system is functional
- C. Verify that the system meets requirements
- D. Meet current best practices

Answer: ABC

#### NEW QUESTION 51

Match the business statement to its appropriate concept.

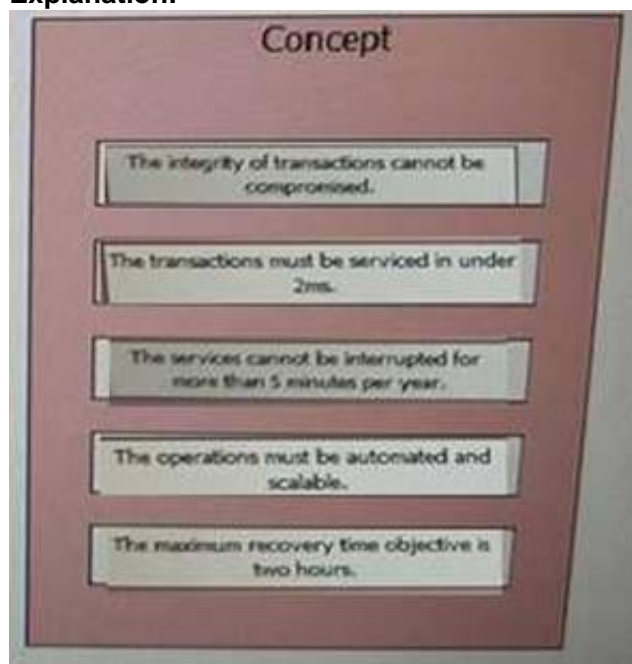




- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**



#### NEW QUESTION 56

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 58

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.)

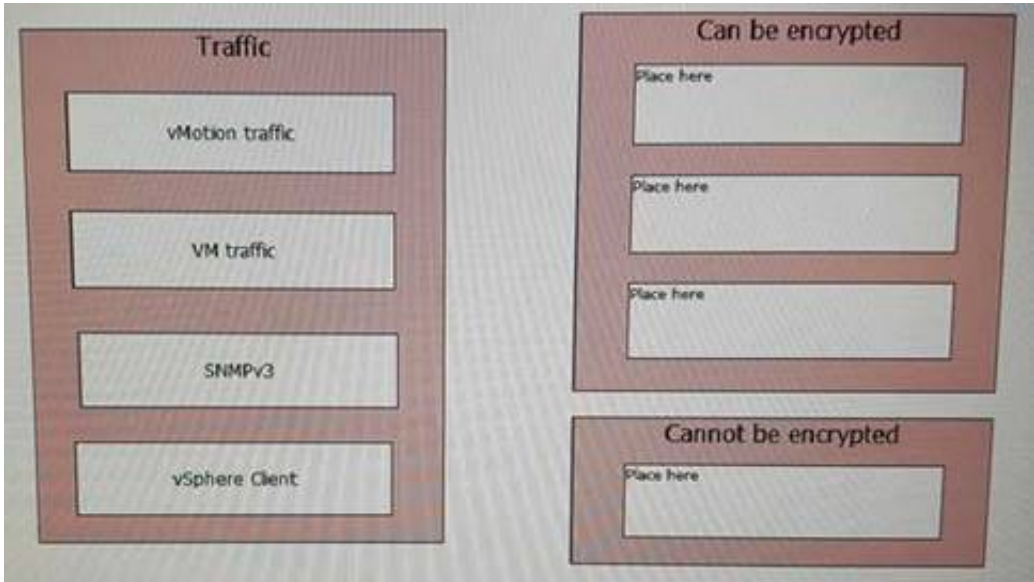
- A. vMotion Networks in both data centers must be in the same L2 stretched VLAN.  
B. The virtual machine port groups must use the same name.  
C. VMkernel port for vMotion must be configured with vMotion TCP/IP Stack with the correct gateway.  
D. vMotion networks in both data centers must be routable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

**Answer:** CD

#### NEW QUESTION 63

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





- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 67

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 72

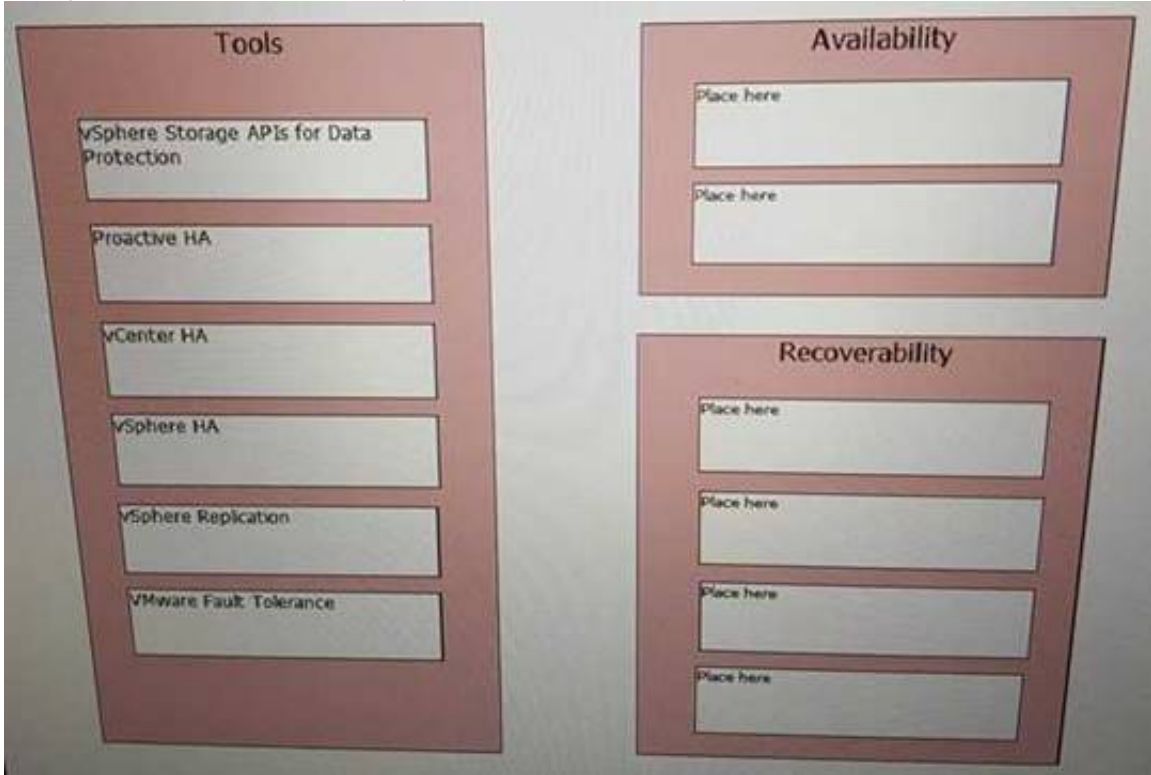
A host has three dual-port network cards. What is the maximum number of vSwitches that can be integrated with the physical network, assuming that network redundancy is not a requirement?

- A. 3
- B. 6
- C. 256
- D. 512

Answer: B

NEW QUESTION 73

Categorize the tools as providing either Availability or Recoverability.



- A. Mastered

B. Not Mastered

**Answer:** A

**Explanation:**

AvailabilityFTHARecoverabilityProactive HAvCenter HAvSphere ReplicationVADP

**NEW QUESTION 75**

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 assumptions for the new design? (Choose two.)

- A. MPLS will be used to connect the two data centers.
- B. There is 180 days left of current capacity.
- C. Data Domain will get an 8:1 compression and deduplication ratio with the new workloads.
- D. A disaster will NOT affect both data centers.

**Answer:** BD

**NEW QUESTION 80**

Which of the following needs to be considered when determining the amount and size of the hosts required for a virtual design?

- A. Aggregate CPU and memory requirements
- B. Future growth
- C. Number of vCPUs to be hosted per box
- D. All of the above

**Answer:** D

**NEW QUESTION 81**

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 86**

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 contracts 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 87**

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 91

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 94

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 98

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 101

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**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 103

A solutions architect has made the following design decisions:

- Leverage existing hardware that is certified on earlier versions of vSphere but is NOT on HCL for ESXi 6.5.
- Upgrade vCenter Server to version 6.5.
- Configure separate clusters based on ESXi versions 5.5, 6.0, and 6.5 for newly purchased, certified hardware.
- The underlying CPU family is compatible.
- There is enough resources available to vMotion virtual machines (VMs)

Given this scenario, what is the correct statement about the ability to vMotion virtual machines between versions of ESXi?

- A. VMs created in vSphere 5.x must be upgraded first to newer virtual hardware and then be vMotioned to vSphere 6.5.
- B. VMs created in vSphere 6.5 environment with default settings can be moved to ESXi 5.x.
- C. VMs can be vMotioned to the same or newer version of ESXi.
- D. VMs that are created after the vCenter Server 6.5 upgrade can be vMotioned between any supported versions of ESXi.

**Answer:** C

#### NEW QUESTION 105

Which two types of workloads are efficiently consolidated when virtualized? (Choose two.)

- A. Workloads that do NOT require user input and are constantly processing large amounts of batched data.
- B. Workloads that will consume all available assigned resources.



- C. Workloads that are NOT CPU bound; most of their time is spent waiting for external events such as user interaction.
- D. Workloads that do NOT require access to specific physical resources such as a hardware dongle or graphics card.

**Answer:** CD

**NEW QUESTION 108**

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