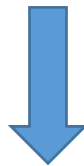


VMware VCAP6.5-DCV Design Certification 3V0-624 Exam



- Vendor: VMware
- Exam Code: 3V0-624
- Exam Name: VMware Certified Advanced Professional 6.5 - Data Center
Virtualization Design Exam

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NEW QUESTION 40

A customer 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: A

NEW QUESTION 41

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 42

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: CD

NEW QUESTION 43

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 44

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 45

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 46

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: A

NEW QUESTION 47

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 48

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 point for the entire environment

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

- A. Configure 1 Port Group with a dedicated 10Gb Uplink for low latency servers.
- B. Deploy two clusters, one for management workloads and one for application workloads.
- C. Build 2 Port Groups, one for management servers and one for application servers.
- D. Install two vCenter Servers in Enhanced Link Mode.

Answer: AB

NEW QUESTION 49

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NEW QUESTION 51

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: CDE

NEW QUESTION 52

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: ABD

NEW QUESTION 53

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: AC

NEW QUESTION 54

A customer is deploying a mission-critical Oracle database with high SLA requirements, including high performance and high availability. The customer has chosen to purchase an All-Flash vSAN solution. Which three storage policies should be used? (Choose three.)

- A. RAID5/6 for data disk and RAID1 for OS disk with FTT=2.

- B. IOPS limit and checksum should be enabled.
- C. RAID5/6 for OS disk and RAID1 for data disk with FTT=2.
- D. Configure multiple disk stripes.
- E. Deduplication and Compression should be disabled.

Answer: BCD

NEW QUESTION 55

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: A

NEW QUESTION 56

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: BCD

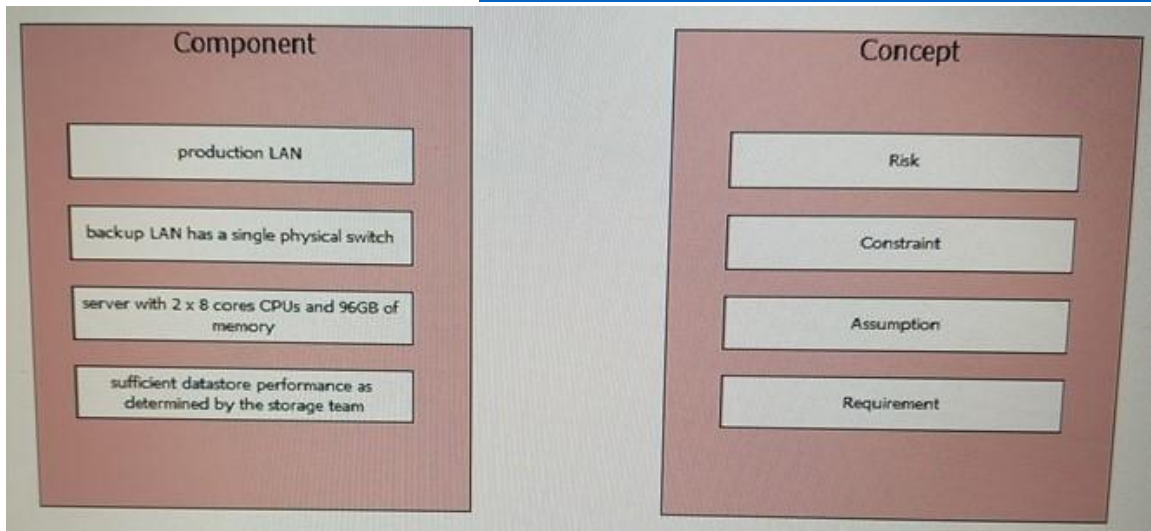
NEW QUESTION 57

Drag and Drop

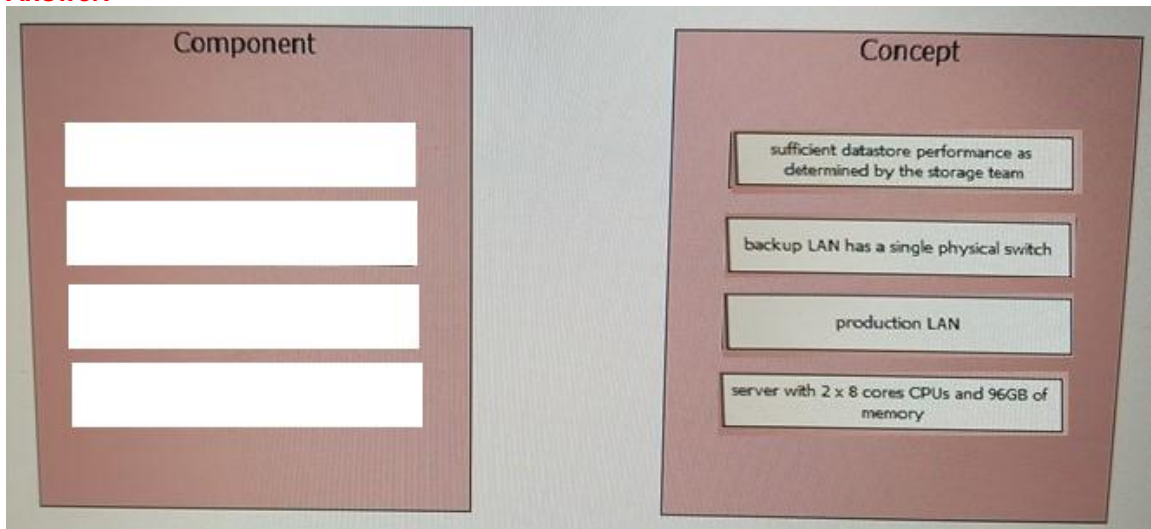
A company would like to utilize its current infrastructure but wants to adopt virtualization to consolidate its environment. Currently, the infrastructure contains:

- 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:



NEW QUESTION 58

Drag and Drop

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:

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.

The diagram consists of two vertical panels. The left panel, titled "Statement", contains four text boxes with the following text: "Applications must be restarted quickly.", "Application downtime will result in significant financial loss.", "Latency between the two sites will remain at or below 5ms.", and "Applications must be kept online during planned migration between sites.". The right panel, titled "Concept", contains four text boxes with the following text: "Risk", "Constraint", "Assumption", and "Requirement".

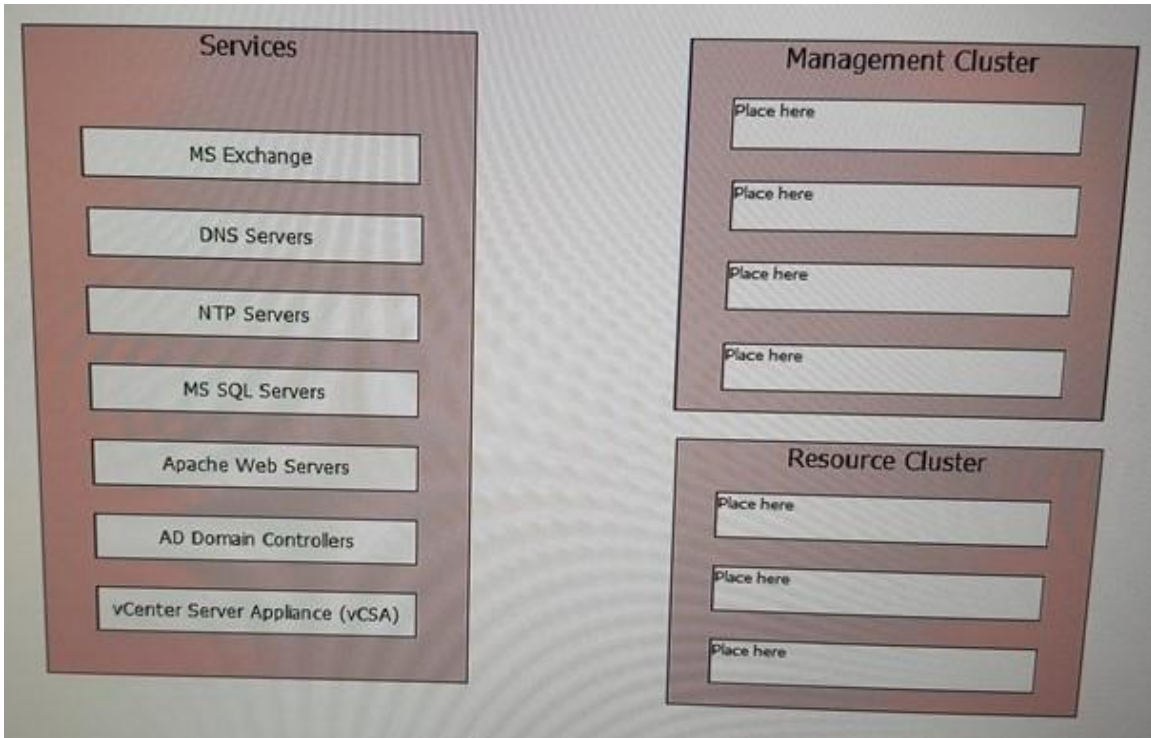
Answer:

The diagram consists of two vertical panels. The left panel, titled "Statement", contains four empty rectangular boxes. The right panel, titled "Concept", contains four text boxes with the following text: "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.", and "Applications must be restarted quickly.". This represents the correct mapping from the previous diagram.

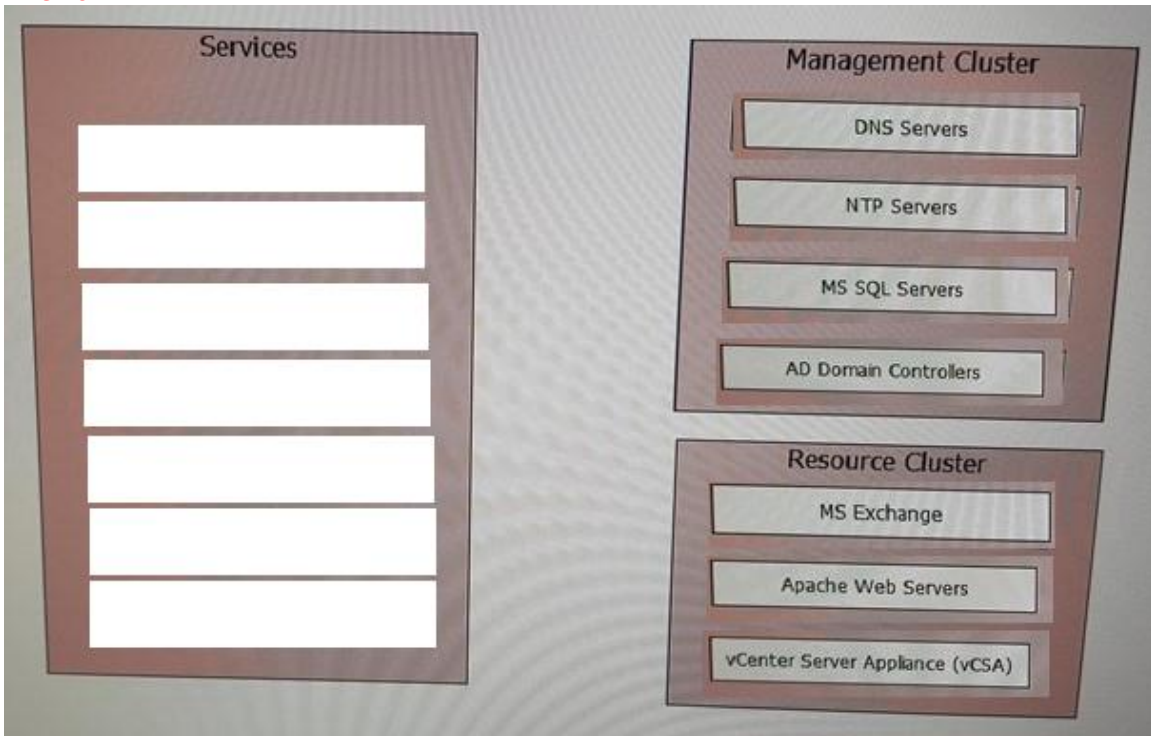
NEW QUESTION 59

Drag and Drop

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



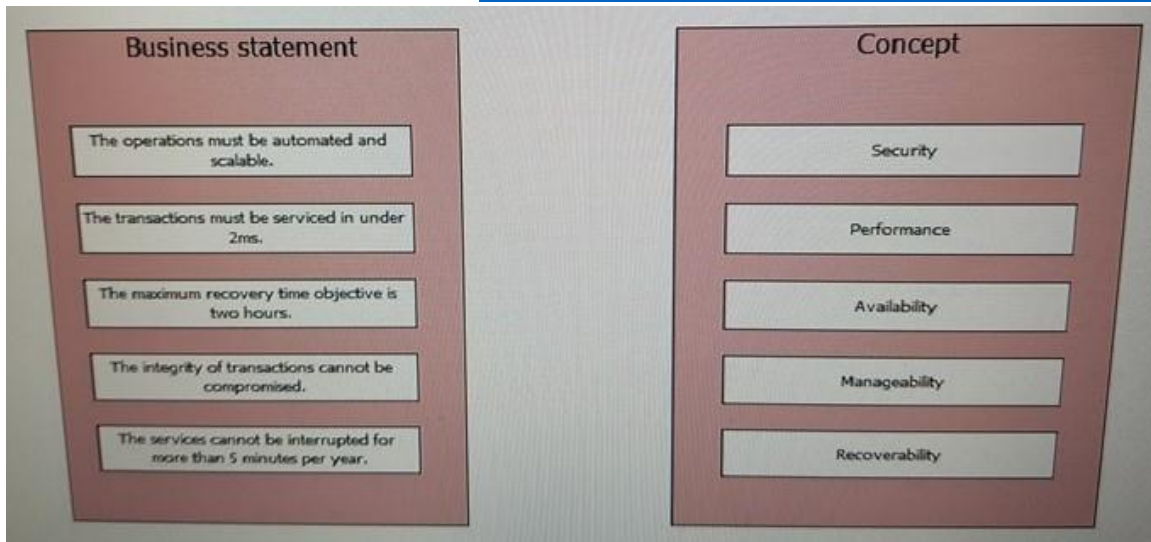
Answer:



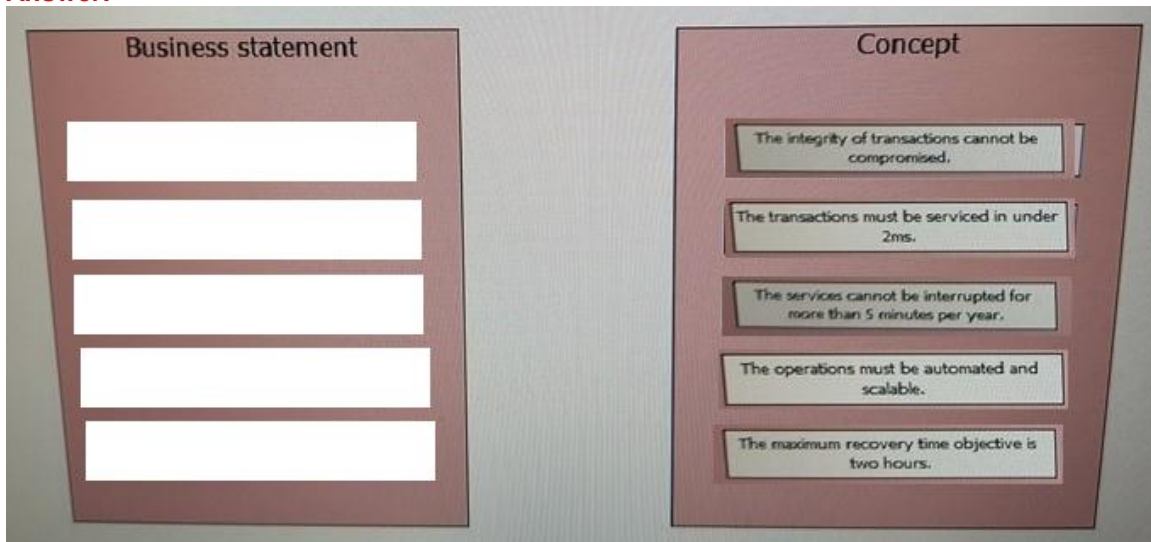
NEW QUESTION 60

Drag and Drop

Match the business statement to its appropriate concept.



Answer:



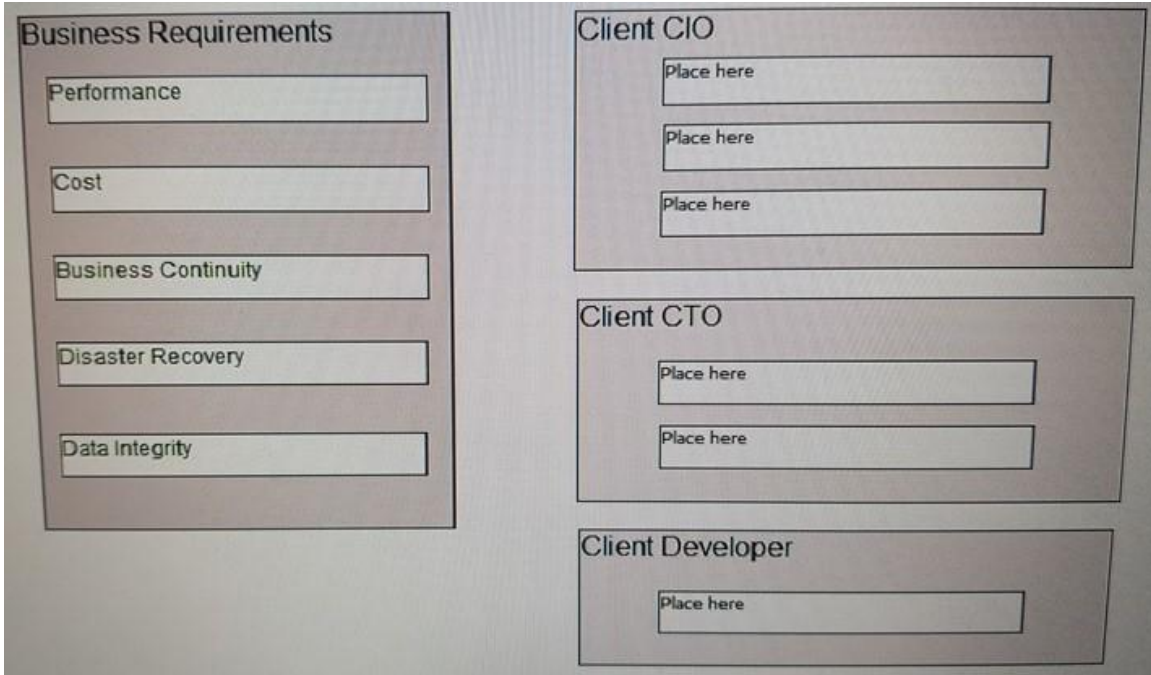
NEW QUESTION 61

Drag and Drop

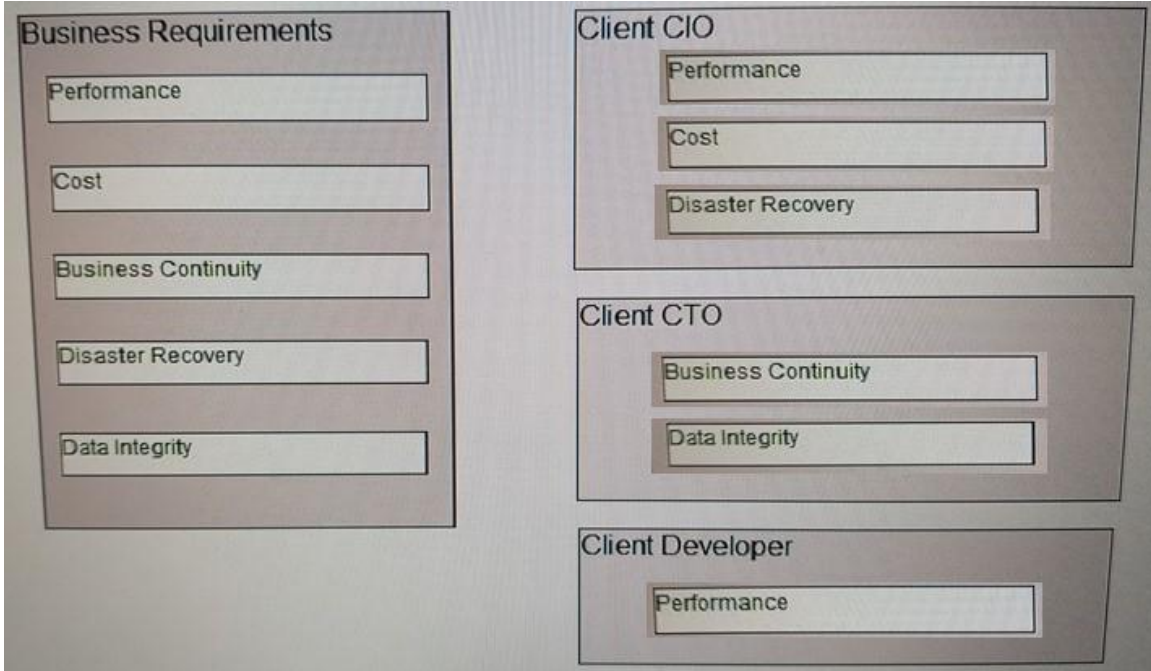
A company has one data center site running 50 hosts and 400 virtual machines and requires a vSphere 6.x design.

- The CIO wants to add a secondary site for Disaster Recovery (DR) with A hours RPO.
- The application developer is concerned about anticipated growth as several new projects begin.
- The CISO is worried about data leaks and theft.
- 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.



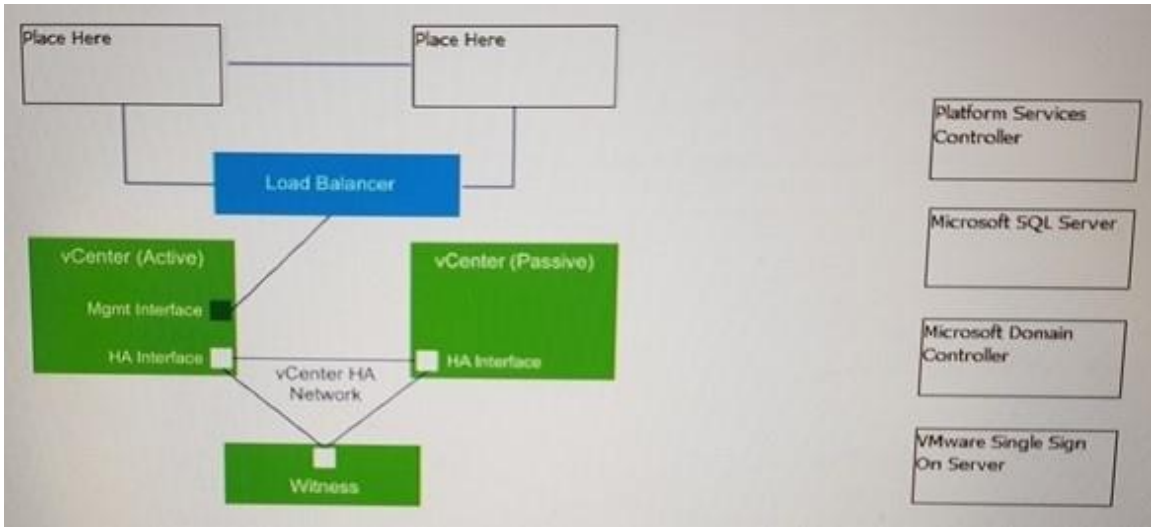
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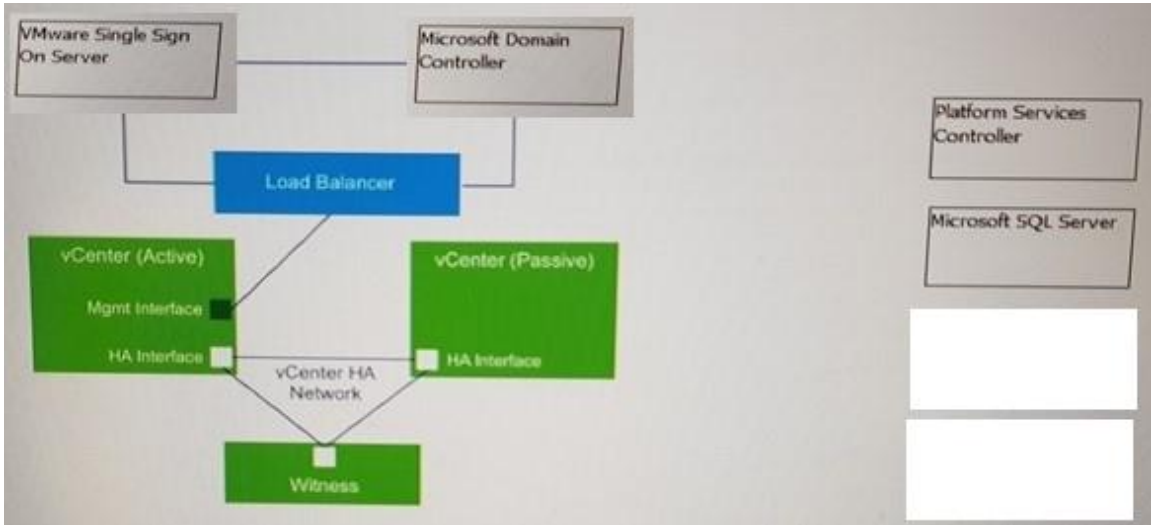
NEW QUESTION 62

Drag and Drop

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.)



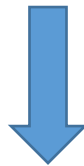
Answer:



NEW QUESTION 63

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