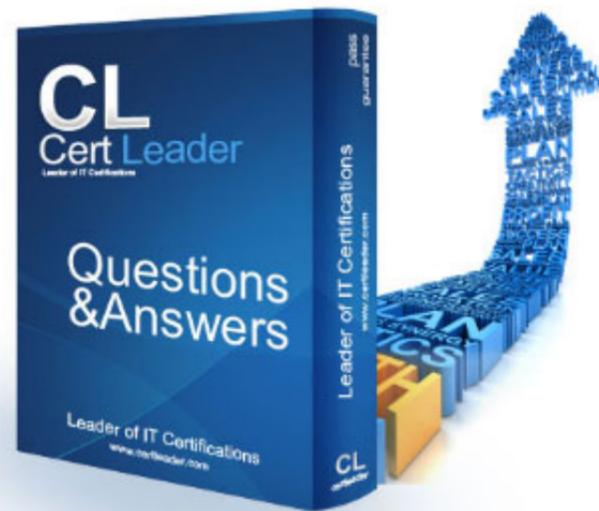


## 3v0-624 Dumps

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

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**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**

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.

Design Option	Characteristic
<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <span style="background-color: #f00; color: white; padding: 2px 5px; border-radius: 3px;">O1</span> Fewer large servers, fully populated with compute resources                 </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <span style="background-color: #f00; color: white; padding: 2px 5px; border-radius: 3px;">O2</span> Many servers with partially populated compute resources                 </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <span style="background-color: #f00; color: white; padding: 2px 5px; border-radius: 3px;">O3</span> A fully-redundant physical switching topology                 </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <span style="background-color: #f00; color: white; padding: 2px 5px; border-radius: 3px;">O4</span> An off-site, cloud-based backup solution                 </div> <div style="border: 1px solid black; padding: 5px;"> <span style="background-color: #f00; color: white; padding: 2px 5px; border-radius: 3px;">O5</span> An on-site, encrypted backup solution                 </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px; height: 30px;">Availability</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px; height: 30px;">Manageability</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px; height: 30px;">Performance</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px; height: 30px;">Recoverability</div> <div style="border: 1px solid black; padding: 5px; height: 30px;">Security</div>

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Design Option	Characteristic
<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <span style="background-color: #f00; color: white; padding: 2px 5px; border-radius: 3px;">O1</span> Fewer large servers, fully populated with compute resources                 </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <span style="background-color: #f00; color: white; padding: 2px 5px; border-radius: 3px;">O2</span> Many servers with partially populated compute resources                 </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <span style="background-color: #f00; color: white; padding: 2px 5px; border-radius: 3px;">O3</span> A fully-redundant physical switching topology                 </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <span style="background-color: #f00; color: white; padding: 2px 5px; border-radius: 3px;">O4</span> An off-site, cloud-based backup solution                 </div> <div style="border: 1px solid black; padding: 5px;"> <span style="background-color: #f00; color: white; padding: 2px 5px; border-radius: 3px;">O5</span> An on-site, encrypted backup solution                 </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px; height: 30px;">                     Availability <span style="background-color: #f00; color: white; padding: 2px 5px; border-radius: 3px; margin-left: 20px;">O2</span> <span style="background-color: #f00; color: white; padding: 2px 5px; border-radius: 3px; margin-left: 10px;">O3</span> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px; height: 30px;">                     Manageability <span style="background-color: #f00; color: white; padding: 2px 5px; border-radius: 3px; margin-left: 20px;">O1</span> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px; height: 30px;">                     Performance <span style="background-color: #f00; color: white; padding: 2px 5px; border-radius: 3px; margin-left: 20px;">O5</span> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px; height: 30px;">                     Recoverability <span style="background-color: #f00; color: white; padding: 2px 5px; border-radius: 3px; margin-left: 20px;">O1</span> <span style="background-color: #f00; color: white; padding: 2px 5px; border-radius: 3px; margin-left: 10px;">O3</span> </div> <div style="border: 1px solid black; padding: 5px; height: 30px;">                     Security <span style="background-color: #f00; color: white; padding: 2px 5px; border-radius: 3px; margin-left: 20px;">O4</span> </div>

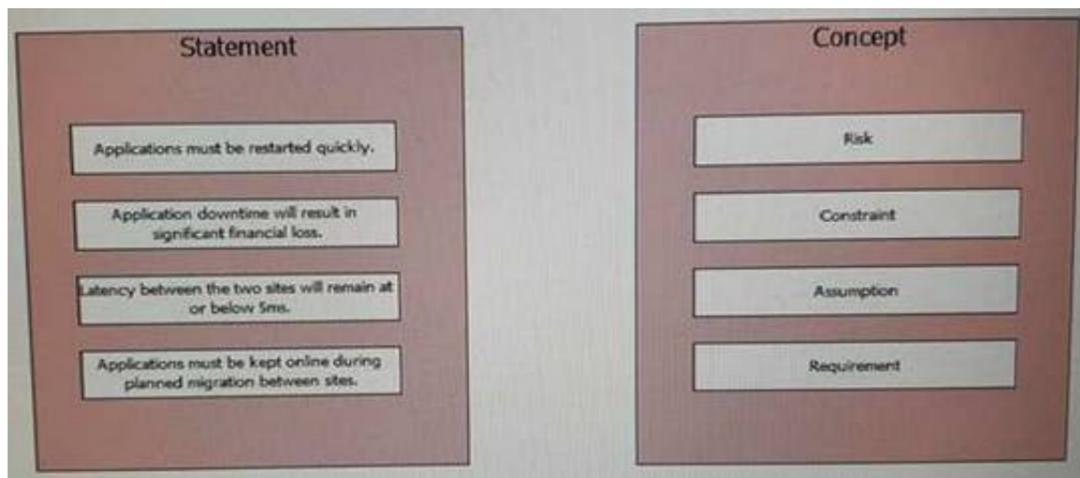
**NEW QUESTION 3**

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



- A. Mastered
- B. Not Mastered

**Answer:** A

**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.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



**NEW QUESTION 6**

When implementing update policies for the vSphere environment, which would be the VMware-recommended way to update the vCenter Server Appliance (VCSA) when an underlying operating system (OS) patch is released?

- A. Introduce a policy that requires a system administrator to check if a new appliance update (which might include an OS update) is available from the downloads section of MyVMware portal, and follow the VCSA documentation to apply the update.
- B. Do nothing - the VCSA applies all OS updates automatically without any human interaction.
- C. Introduce a policy that requires a system administrator to go online and check with the OS vendor to see if a new version is available
- D. If it is, download it manually, log in to the VCSA with the root credentials, and proceed with the OS update.
- E. Configure VMware Update Manager to download the OS update and apply it on a scheduled basis.

Answer: A

**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 conducting a technology refresh and has requested assistance with a vSphere 6.5 design.

- The company has a corporate headquarters and two data centers strategically placed around the country, which provide the bulk of the computer power and storage for their customer-facing stores.
- The company requires each of its stores to be able to operate independently if connectivity is ever lost.
- Presently, all stores are configured differently and must be standardized as part of the technology refresh
- To support store operations, only a dozen applications are required.
- Any downtime during store hours could result in significant losses.
- Any proposed design must minimize cost.

What is a VMware-recommended option for this scenario?

- A. VMware vSAN cluster with a minimum of three hosts
- B. VMware vSphere cluster with low-cost iSCSI shared storage
- C. VMware vSAN Stretched Cluster with nearest regional data center
- D. VMware vSAN Remote Office Branch Office (ROBO) with two hosts

**Answer: D**

**NEW QUESTION 9**

You have been tasked with creating a vSphere 6.5 data center design for an organization. The organization has provided information via requirements gathering. Evaluate each statement and determine if the requirement is functional or non-functional.

Match Requirements on the left by dragging the red buttons (R1-R9) over the text of the appropriate Classification.

Requirements	Classification
<b>R1</b> The design must provide sufficient capacity to current workloads with a 15% growth per year for three years.	<div style="border: 1px solid black; padding: 10px;"> <div style="border-bottom: 1px solid black; height: 100px; display: flex; align-items: center; justify-content: center;">Functional</div> <div style="height: 100px; display: flex; align-items: center; justify-content: center;">Non-Functional</div> </div>
<b>R2</b> The design must use the company's existing network equipment for the next two years.	
<b>R3</b> The design must isolate traffic between segments on different physical or virtual nodes.	
<b>R4</b> The design must be able to recover from a failed software service, application or system in an average of 1 hour.	
<b>R5</b> The design must provide three ways to access company data, to minimize downtime.	
<b>R6</b> The design should minimize retraining costs of existing administrators who will manage the environment.	
<b>R7</b> The design must use approved hardware (Cisco UCS) for host machines due to winning competitive bidding.	
<b>R8</b> The design should contain administration costs by utilizing the existing support ticketing system.	
<b>R9</b> The design should use offsite storage of tape backups to maintain a remote copy to meet auditor requirements.	

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Requirements	Classification
<b>R1</b> The design must provide sufficient capacity to current workloads with a 15% growth per year for three years.	<div style="border: 1px solid black; padding: 10px;"> <div style="border-bottom: 1px solid black; height: 100px; display: flex; align-items: center; justify-content: center;">                     Functional                     <div style="margin-left: 20px;"> <span style="border: 1px solid black; padding: 2px;">R3</span> <span style="border: 1px solid black; padding: 2px;">R9</span> </div> </div> <div style="height: 100px; display: flex; align-items: center; justify-content: center;">                     Non-Functional                     <div style="margin-left: 20px;"> <span style="border: 1px solid black; padding: 2px;">R1</span> <span style="border: 1px solid black; padding: 2px;">R2</span> <span style="border: 1px solid black; padding: 2px;">R5</span> <span style="border: 1px solid black; padding: 2px;">R6</span> </div> </div> </div>
<b>R2</b> The design must use the company's existing network equipment for the next two years.	
<b>R3</b> The design must isolate traffic between segments on different physical or virtual nodes.	
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<b>R8</b> The design should contain administration costs by utilizing the existing support ticketing system.	
<b>R9</b> The design should use offsite storage of tape backups to maintain a remote copy to meet auditor requirements.	

**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**

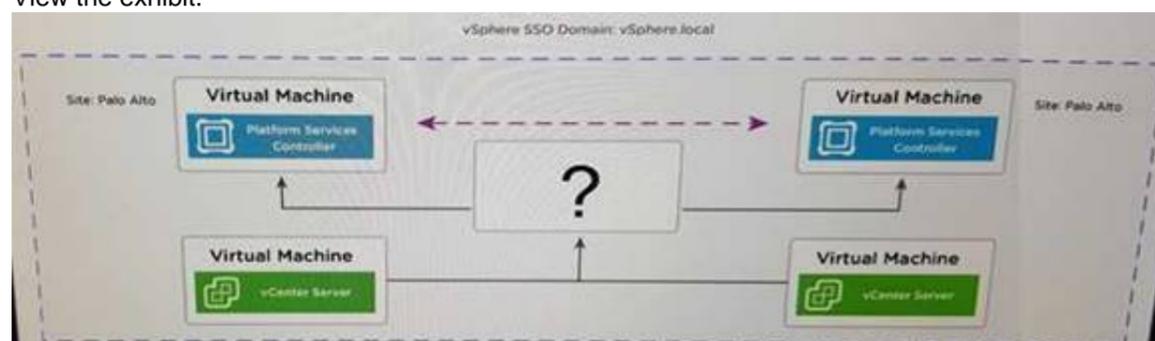
When considering server consolidation, plan on running vCPUs per core.

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

**Answer: A**

**NEW QUESTION 13**

View the exhibit.



Referring to the exhibit, which appliance or device belongs in the square with the question mark?

- A. Firewall Appliance
- B. Load Balance
- C. Platform Services Controller
- D. vCenter Server Appliance

**Answer: A**

**NEW QUESTION 17**

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 21**

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 25**

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 26**

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

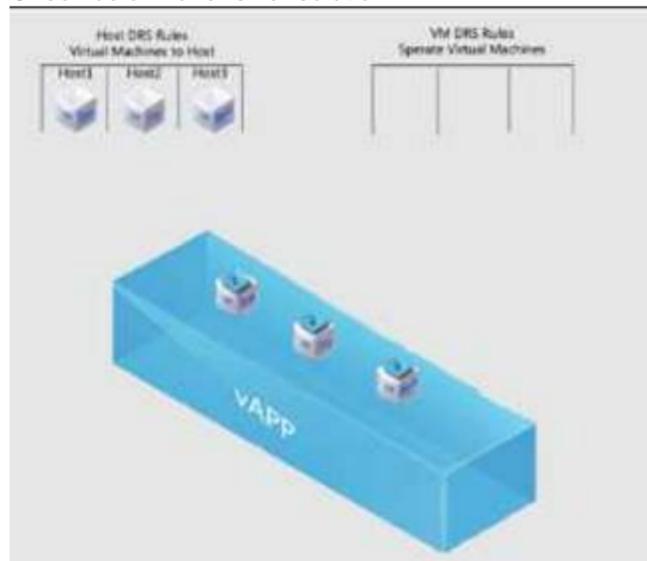
See the solution below

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Check below for answer solution



**NEW QUESTION 29**

You have been tasked with creating a vSphere 6.5 data center design for an organization. The customer has decided to virtualize their database application and has provided specific design requirements. You must determine how these requirements map to the design characteristic(s).

Match Database Requirements with Design Characteristics by dragging the red button (R1-R5) over the text of the appropriate Design Characteristic.

NOTE: Database Requirements can be mapped to more than one Design Characteristic.

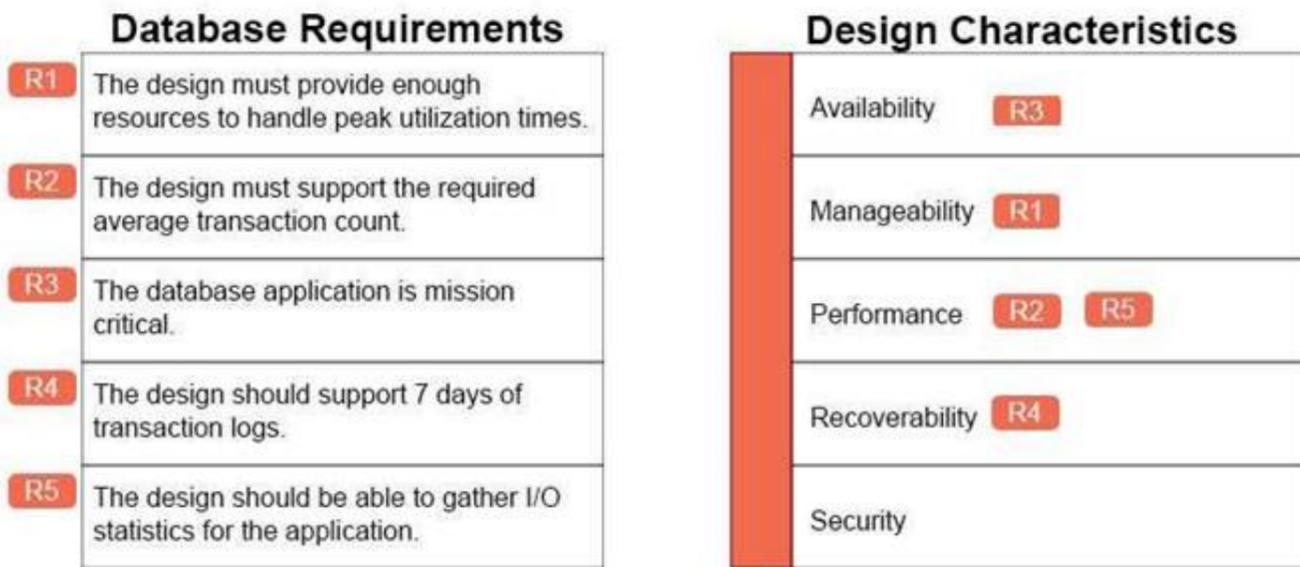
Database Requirements		Design Characteristics	
R1	The design must provide enough resources to handle peak utilization times.		Availability
R2	The design must support the required average transaction count.		Manageability
R3	The database application is mission critical.		Performance
R4	The design should support 7 days of transaction logs.		Recoverability
R5	The design should be able to gather I/O statistics for the application.		Security

- A. Mastered

B. Not Mastered

**Answer:** A

**Explanation:**

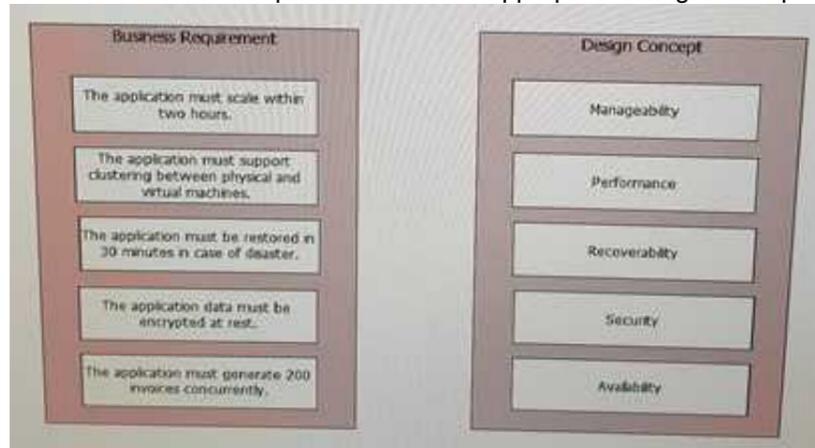


**NEW QUESTION 30**

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.



A. Mastered  
B. Not Mastered

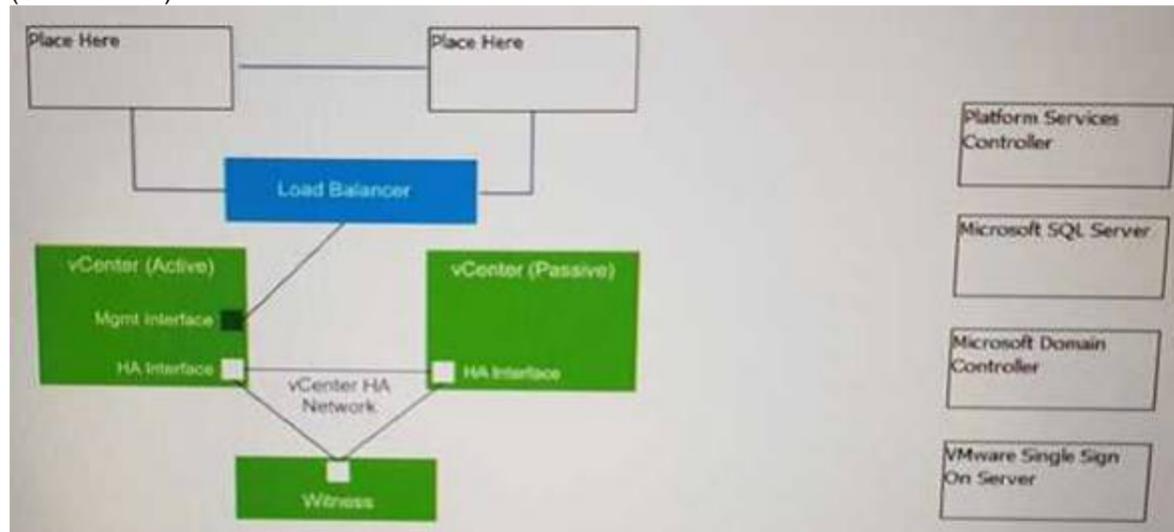
**Answer:** A

**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 33**

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.)



A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Platform services controller

**NEW QUESTION 34**

You have been tasked with creating a vSphere 6.5 data center design for an organization. The organization has identified a number of challenges that occur within their current infrastructure that they would like addressed in the design. For each challenge, determine the vSphere technologies that could be used in the design. Match each Challenge on the left by dragging the red Challenge buttons (C1-C4) over the appropriate Technology.

Challenge		Technology	
C1	We can test often enough to determine if a solution is plausible.		vSphere HA
C2	Managing the recovery and relocation of our current servers is a manual process.		vSphere Fault Tolerance
C3	We continue to lose money due to frequent application server crashes.		vSphere Data Protection
C4	Server maintenance causes excessive application downtime.		Virtual Machine Snapshots
			VMware vSphere vMotion
			Distributed Resource Scheduler
			Virtual Machine Cloning
			vSphere Update Manager

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Challenge		Technology	
C1	We can test often enough to determine if a solution is plausible.		vSphere HA <b>C4</b>
C2	Managing the recovery and relocation of our current servers is a manual process.		vSphere Fault Tolerance <b>C3</b>
C3	We continue to lose money due to frequent application server crashes.		vSphere Data Protection
C4	Server maintenance causes excessive application downtime.		Virtual Machine Snapshots <b>C2</b>
			VMware vSphere vMotion <b>C4</b>
			Distributed Resource Scheduler
			Virtual Machine Cloning <b>C1</b>
			vSphere Update Manager <b>C4</b>

**NEW QUESTION 36**

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

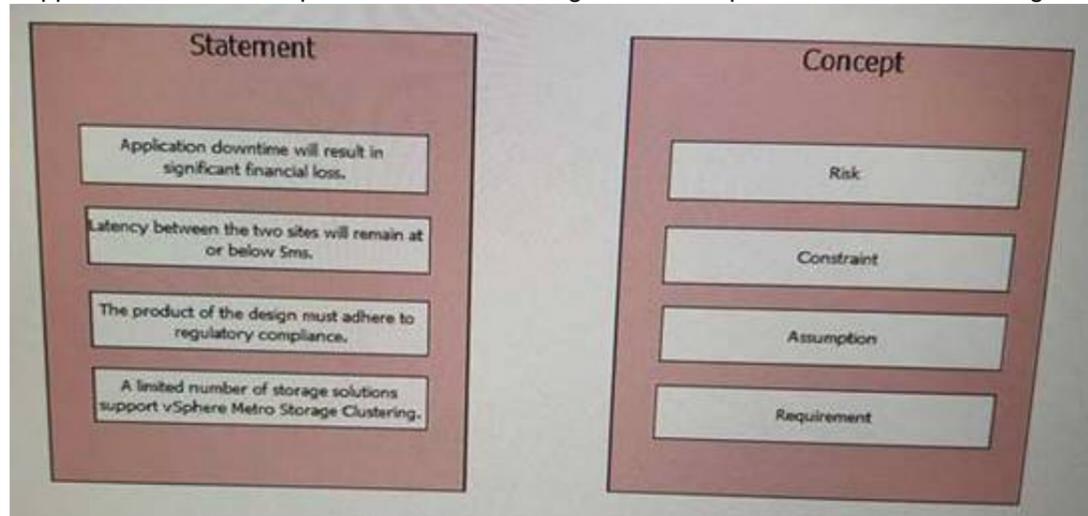
**Answer: B**

**NEW QUESTION 37**

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 38**

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:

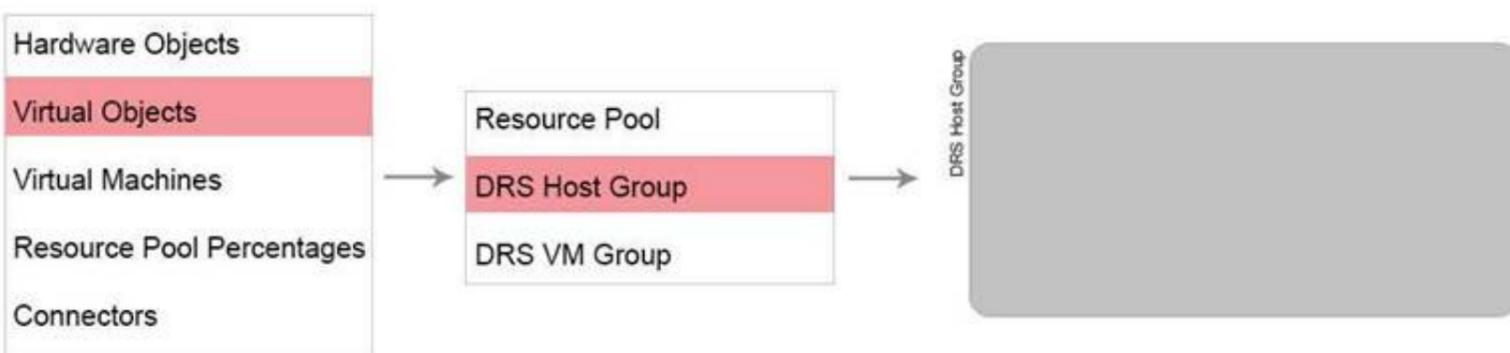
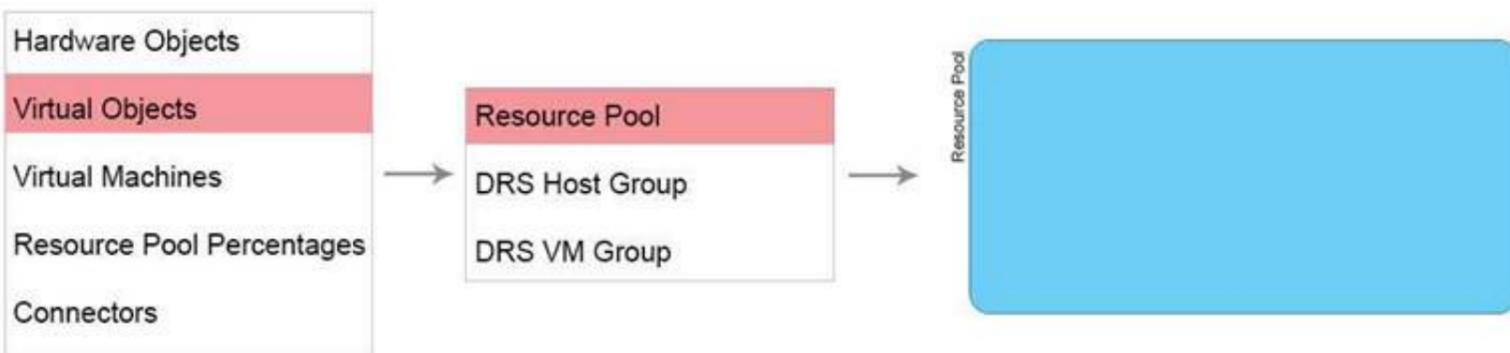
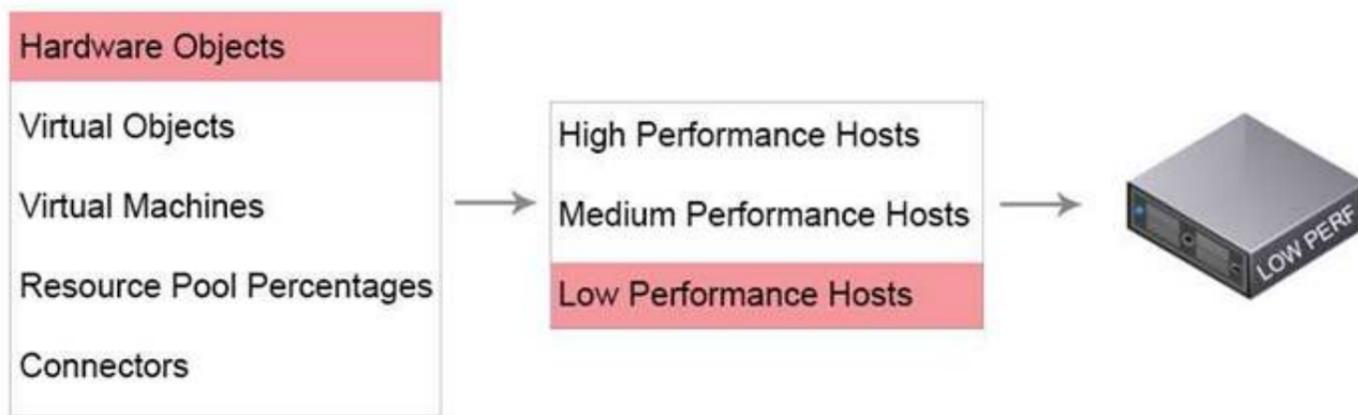
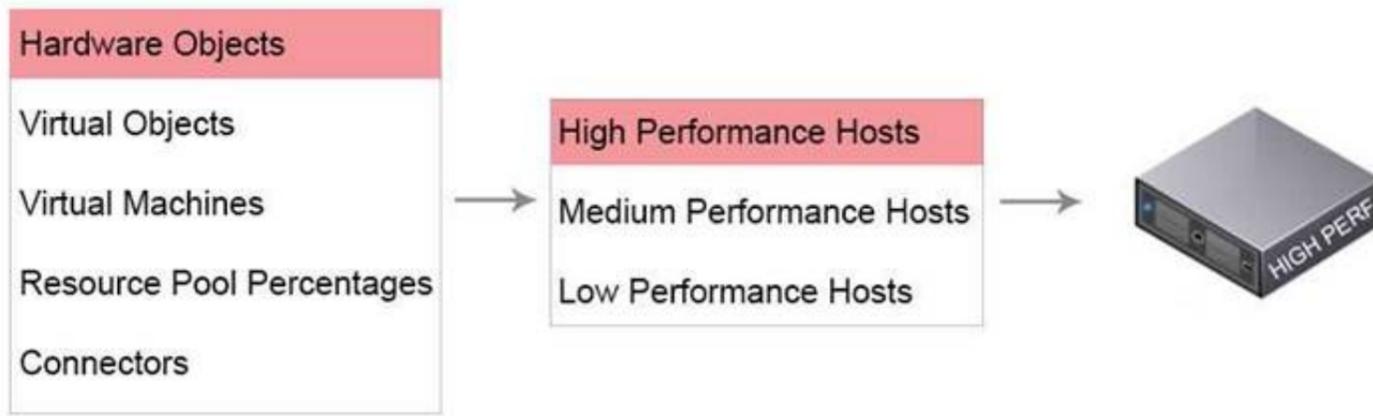
- Gold Tier virtual machines should run only on high performance servers, unless no high performance servers are available. They should also be allocated 75% of overall available resources regardless of placement.
- Silver Tier virtual machines should run only on medium performance servers, unless no 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.

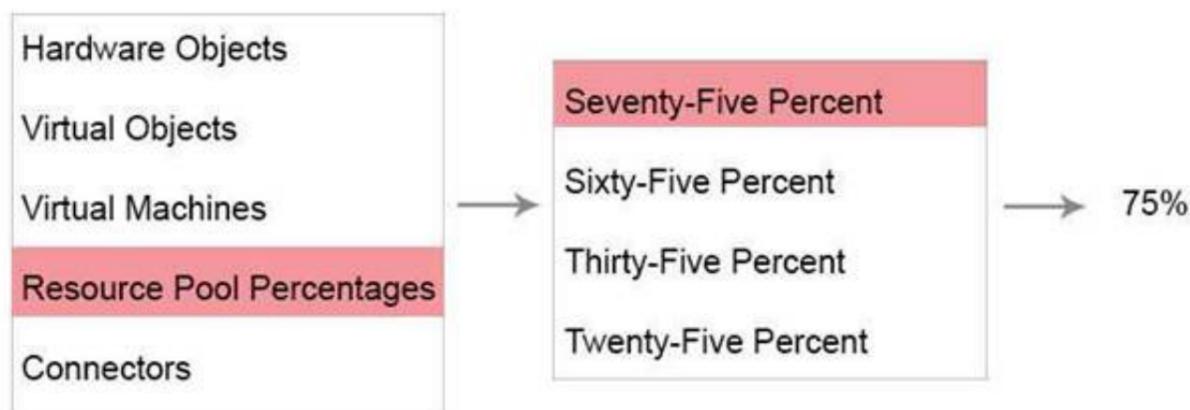
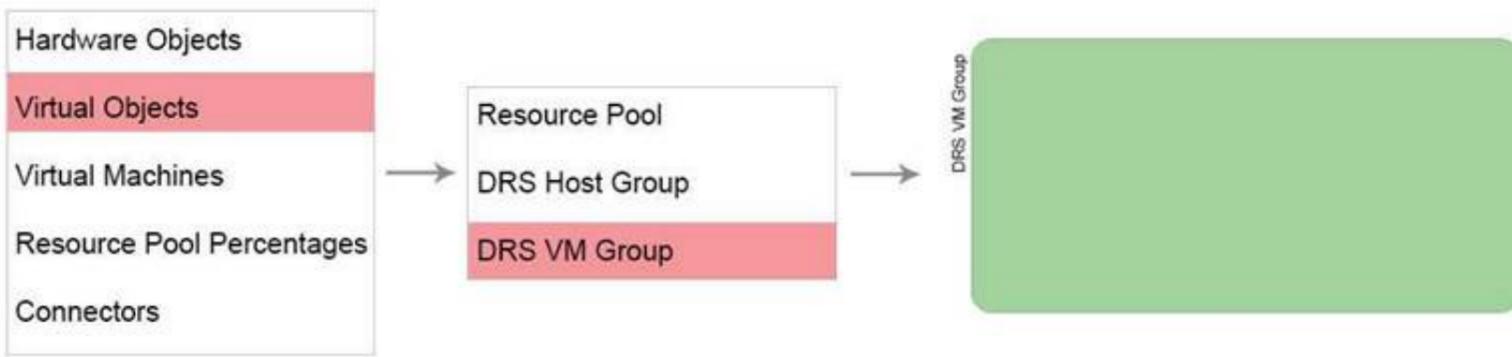
Design Requirements:

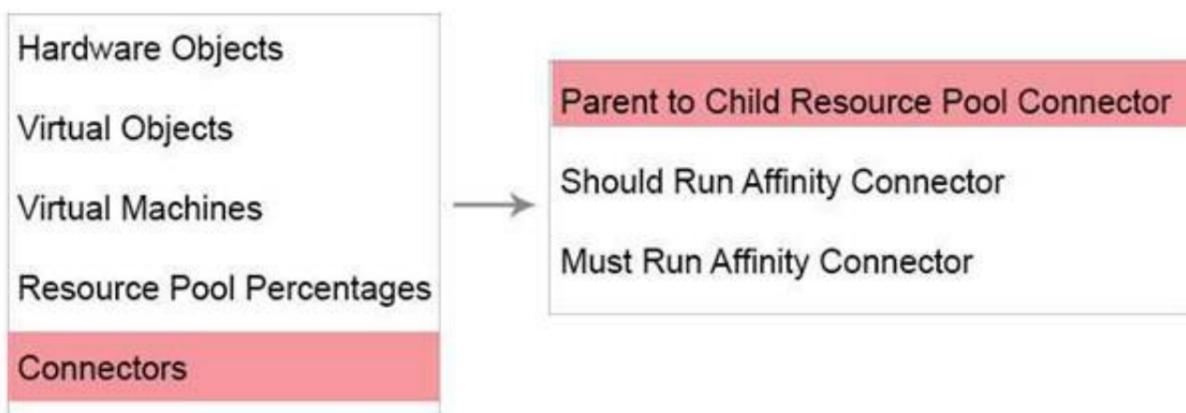
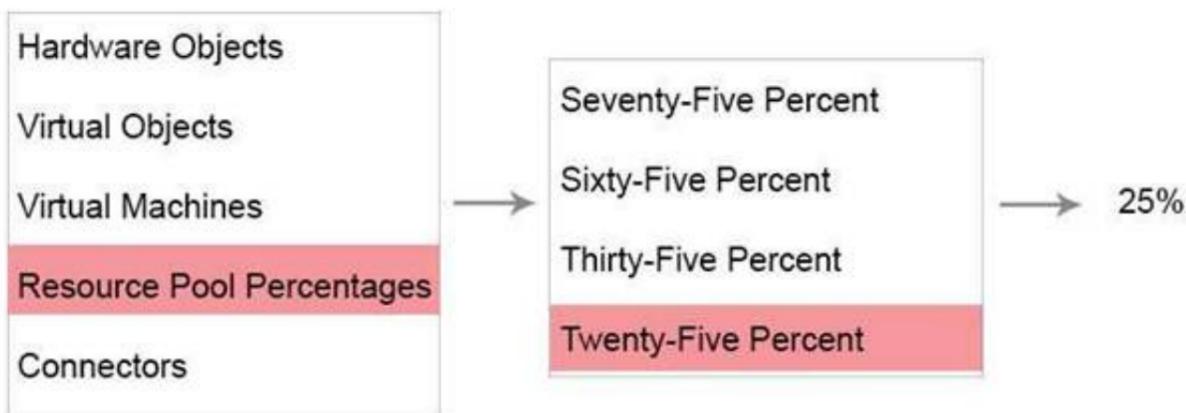
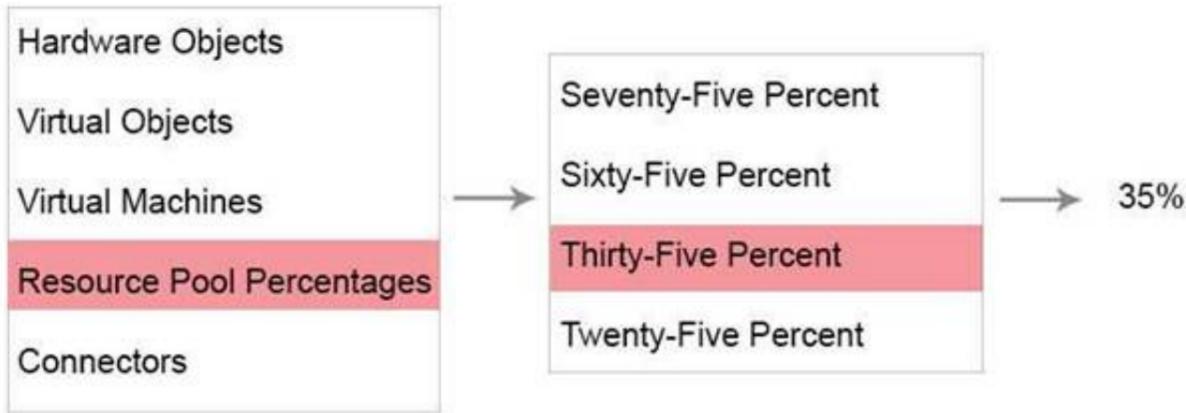
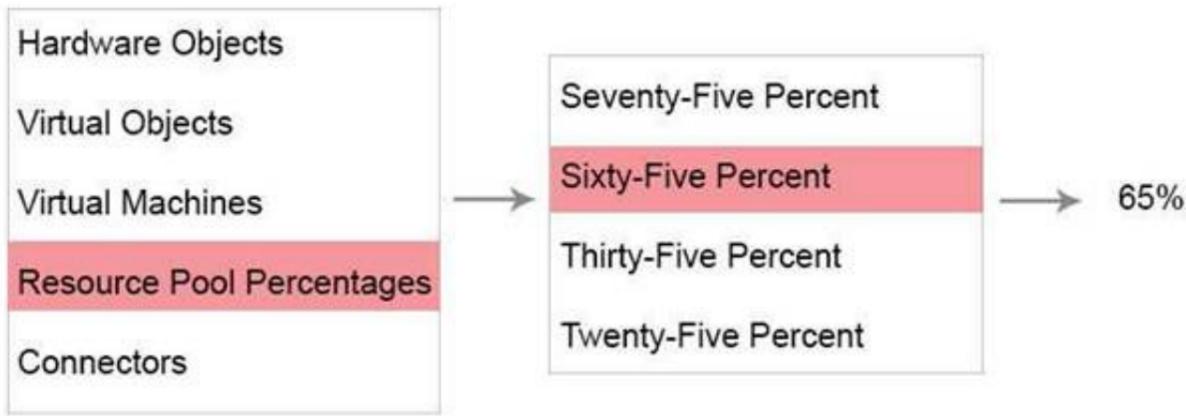
Create a logical design that shows resource allocation and cluster policies needed to meet the customer’s requirements. The design should include:

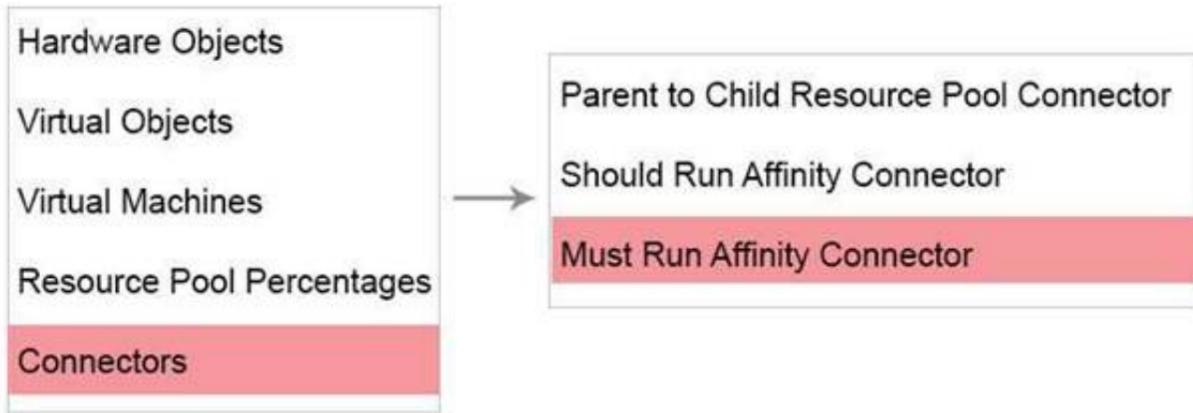
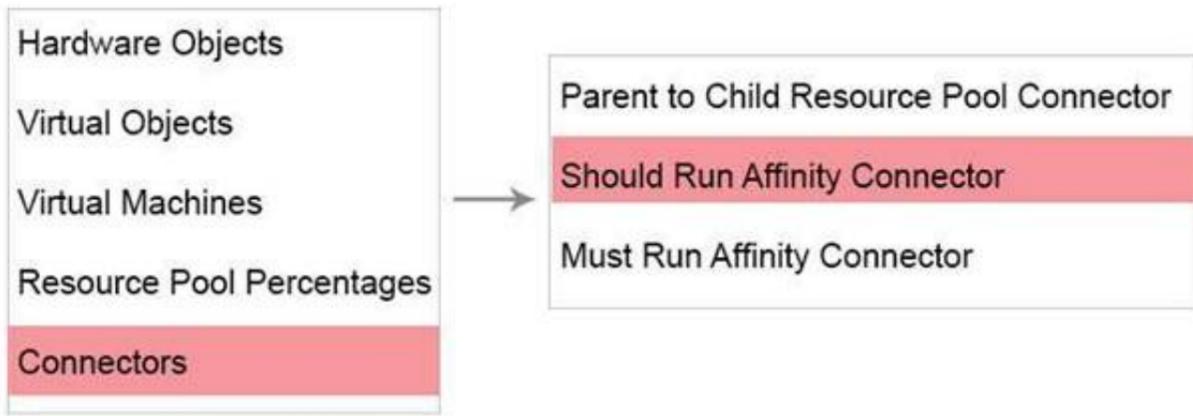
- All required server(s)
- All required resource(s)

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.







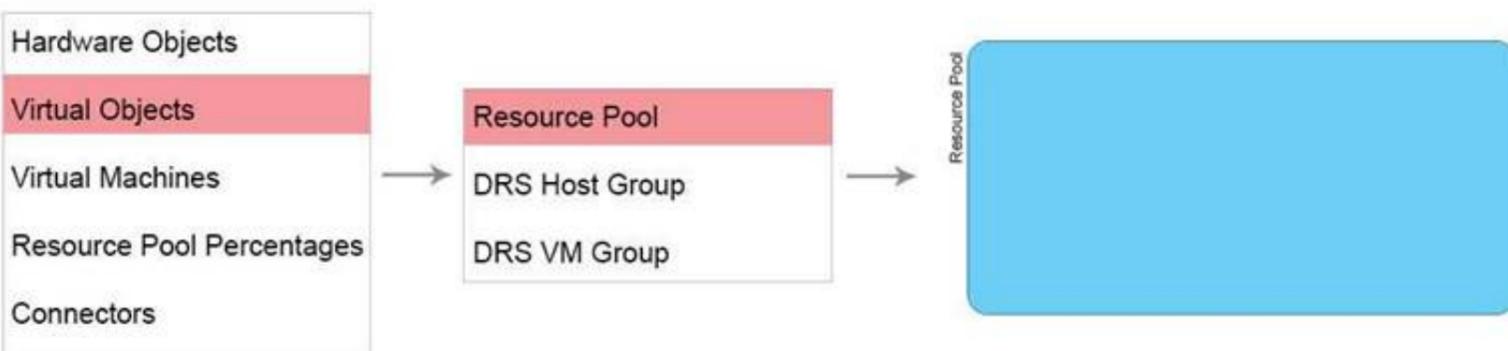


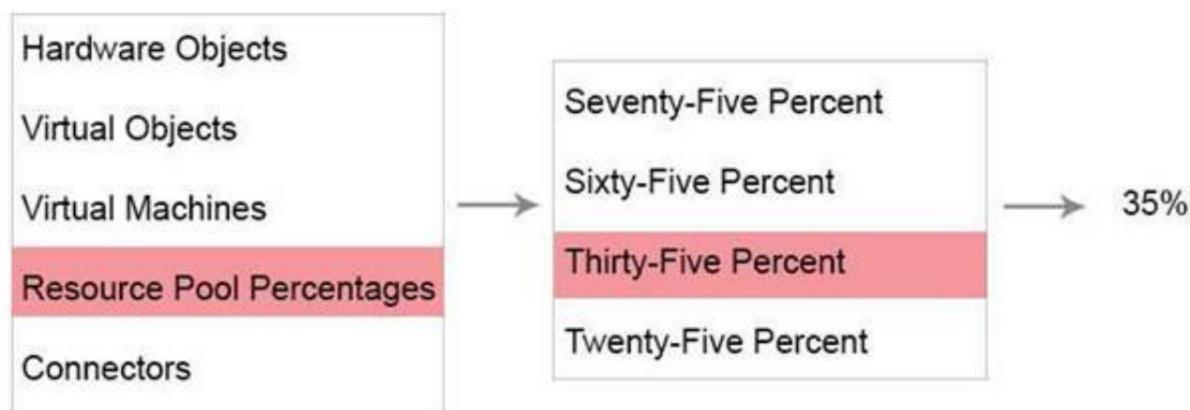
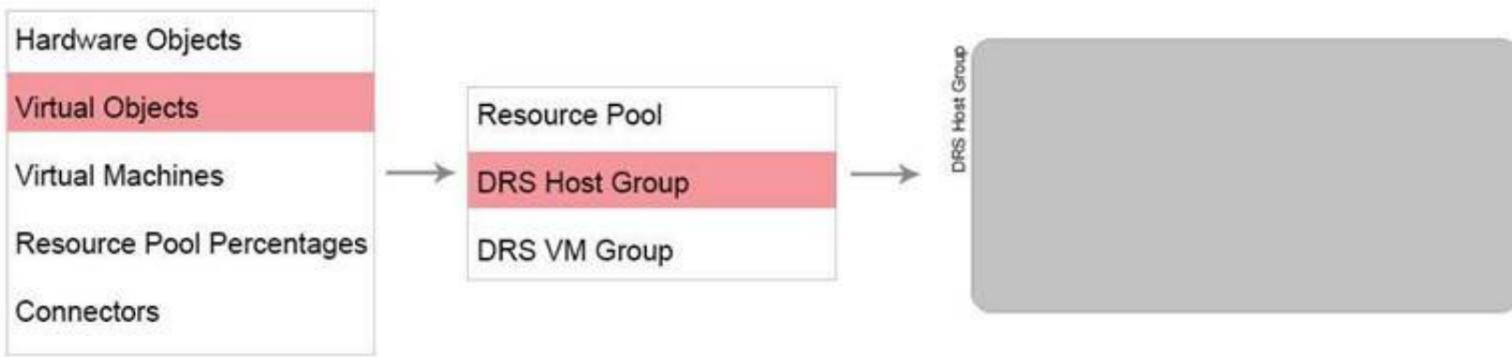
- A. Mastered
- B. Not Mastered

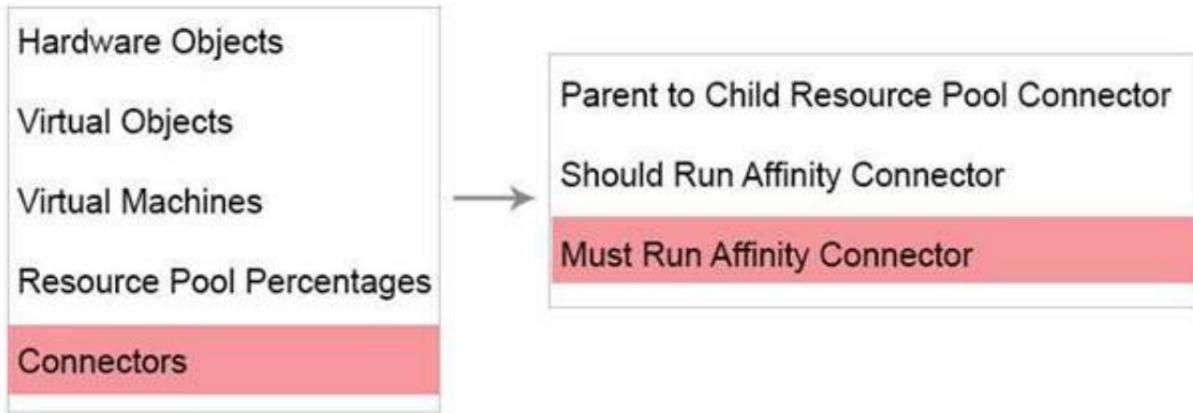
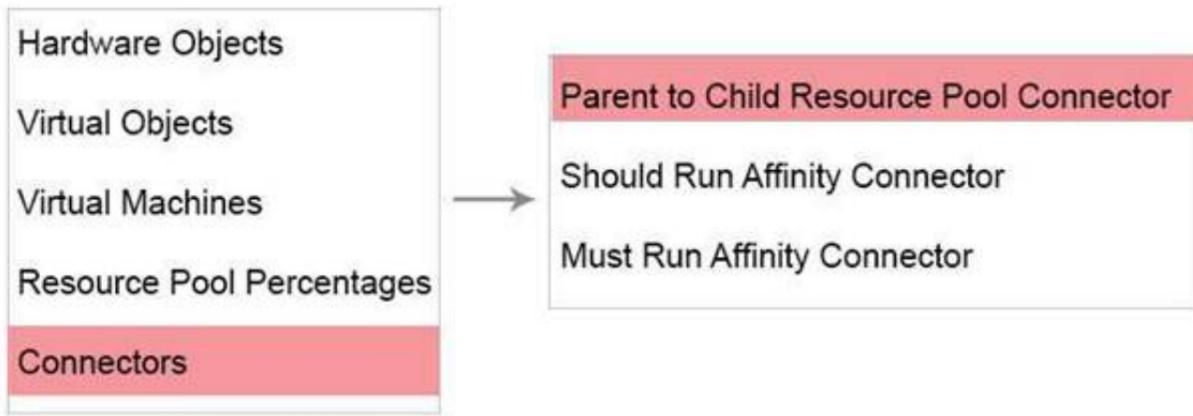
**Answer:** A

**Explanation:**

Check below for answer solution







**NEW QUESTION 40**

Match the business statement to its appropriate concept.

Business statement	Concept
The operations must be automated and scalable.	Security
The transactions must be serviced in under 2ms.	Performance
The maximum recovery time objective is two hours.	Availability
The integrity of transactions cannot be compromised.	Manageability
The services cannot be interrupted for more than 5 minutes per year.	Recoverability

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

**Concept**

The integrity of transactions cannot be compromised.  
The transactions must be serviced in under 2ms.  
The services cannot be interrupted for more than 5 minutes per year.  
The operations must be automated and scalable.  
The maximum recovery time objective is two hours.

**NEW QUESTION 44**

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 48**

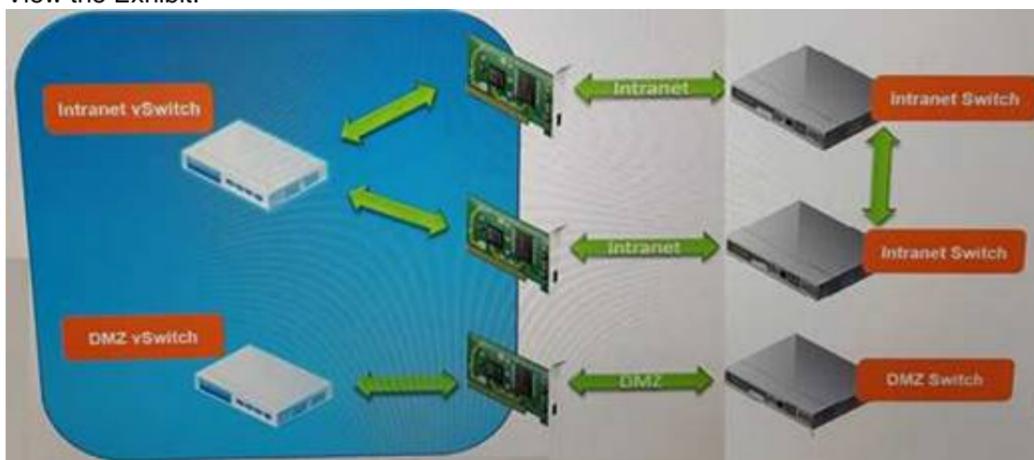
The ability to live-migrate all virtual machines between two clusters is a requirement in the customer's design. Which two clusters and EVC configurations will accomplish this? (Choose two)

- 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 52**

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

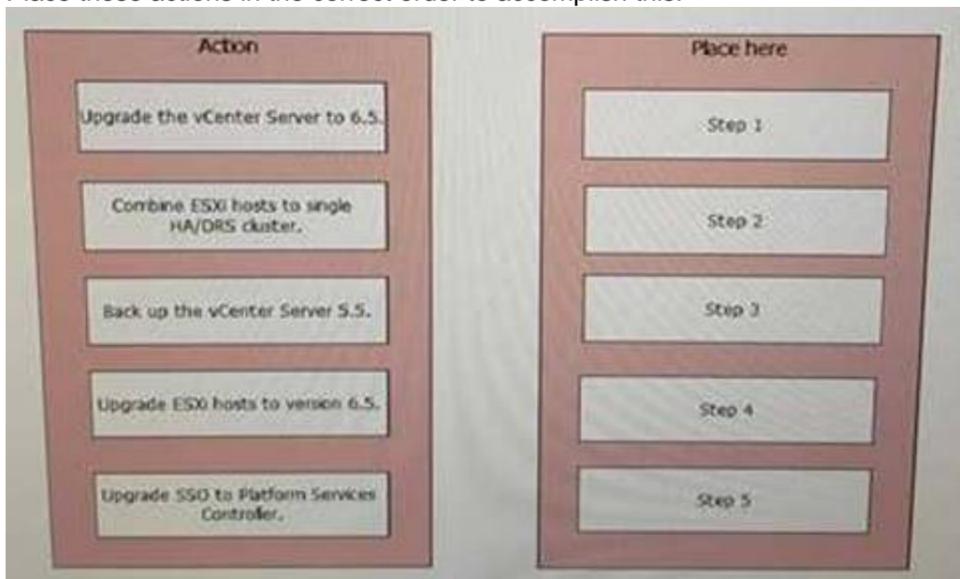
**Answer: EF**

**NEW QUESTION 54**

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 5.52- Upgrade the SSO to PSC3-Upgrade vCenter to 6.54- Upgrade ESXi hosts to version 6.55- Combine ESXi hosts to single...

**NEW QUESTION 59**

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 62**

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 67**

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:** CDE

**NEW QUESTION 71**

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 73**

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

<b>R1</b>	Physical network ports equal networks required.
<b>R2</b>	Physical network ports are less than networks required.
<b>R3</b>	Need to limit communication between servers in the same layer 2 network.
<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.

### Isolation Method

	Physical network separation
	VLAN
	PVLAN

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

### Design Requirements

<b>R1</b>	Physical network ports equal networks required.
<b>R2</b>	Physical network ports are less than networks required.
<b>R3</b>	Need to limit communication between servers in the same layer 2 network.
<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.

### Isolation Method

	Physical network separation	<b>R1</b>   <b>R3</b> <b>R4</b>
	VLAN	<b>R5</b>   <b>R2</b> <b>R4</b>
	PVLAN	<b>R2</b>   <b>R3</b>

#### NEW QUESTION 78

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.

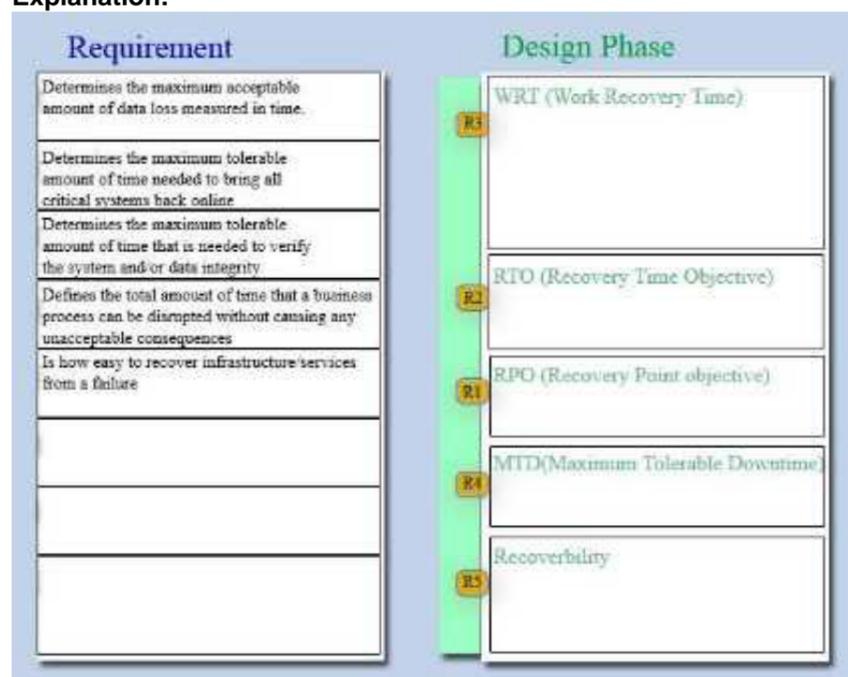
Requirement	Design Phase
<b>R1</b> Determines the maximum acceptable amount of data loss measured in time.	WRT (Work Recovery Time)
<b>R2</b> Determines the maximum tolerable amount of time needed to bring all critical systems back online	RTO (Recovery Time Objective)
<b>R3</b> Determines the maximum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

- A. Mastered

B. Not Mastered

**Answer:** A

**Explanation:**



**NEW QUESTION 79**

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 80**

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

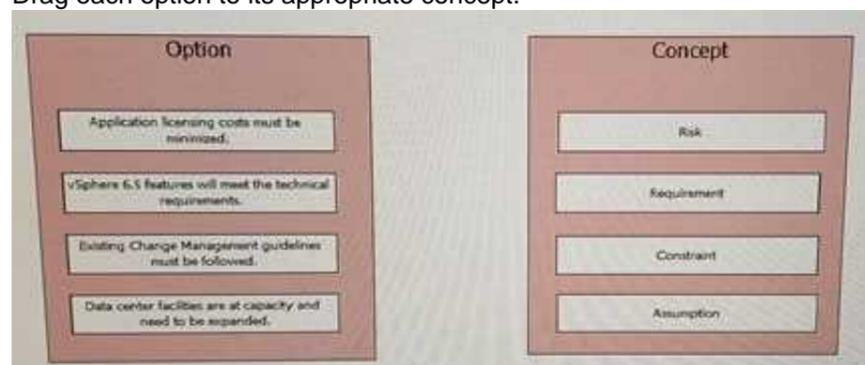
Which two actions would meet the design requirements? (Choose two.)

- 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 85**

Drag each option to its appropriate concept.



A. Mastered  
B. Not Mastered

**Answer:** A

**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 87**

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 91**

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 93**

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. Re-point 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. Re-point 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 96**

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**

S1	The design should be able to support six ESXi hosts, four portgroups, vMotion, and iSCSI.
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.
S3	We plan to utilize Link Aggregation in the future, and integrate traffic monitoring into our existing NetFlow configuration.
S4	We would like to load balance our VM traffic, and we want to segment traffic with separate gateways for hosted customers.
S5	We want to determine if our infrastructure can support virtual machine migration over long distance.
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.

**Solution**

vSphere Standard Switch
vSphere Distributed Switch
VMware NSX
PVLANS
Multiple TCP/IP Stacks

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

**Statement**

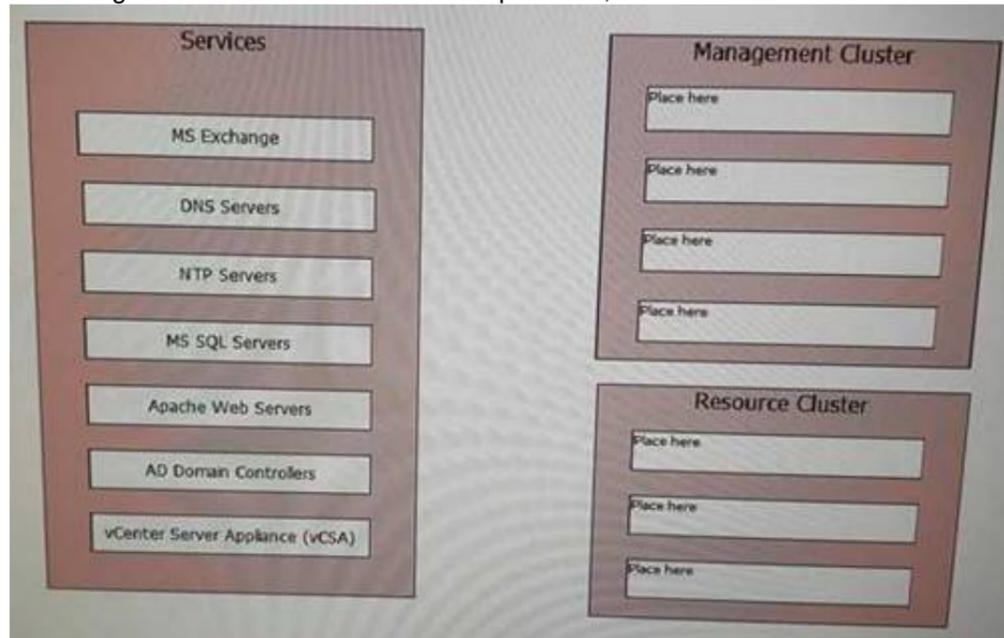
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S3	We plan to utilize Link Aggregation in the future, and integrate traffic monitoring into our existing NetFlow configuration.
S4	We would like to load balance our VM traffic, and we want to segment traffic with separate gateways for hosted customers.
S5	We want to determine if our infrastructure can support virtual machine migration over long distance.
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.

**Solution**

vSphere Standard Switch	S5
vSphere Distributed Switch	S1 S3
VMware NSX	S2
PVLANS	S4
Multiple TCP/IP Stacks	S6

**NEW QUESTION 100**

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



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

ManagementDNS ServersVCSAAD DomainNTP ServersResourceMS ExchangeMS SQLApache Web

**NEW QUESTION 101**

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 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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