



VMware

Exam Questions 3v0-624

VMware Certified Advanced Professional 6.5 - Data Center Virtualization Design Exam

About ExamBible

Your Partner of IT Exam

Found in 1998

ExamBible is a company specialized on providing high quality IT exam practice study materials, especially Cisco CCNA, CCDA, CCNP, CCIE, Checkpoint CCSE, CompTIA A+, Network+ certification practice exams and so on. We guarantee that the candidates will not only pass any IT exam at the first attempt but also get profound understanding about the certificates they have got. There are so many alike companies in this industry, however, ExamBible has its unique advantages that other companies could not achieve.

Our Advances

* 99.9% Uptime

All examinations will be up to date.

* 24/7 Quality Support

We will provide service round the clock.

* 100% Pass Rate

Our guarantee that you will pass the exam.

* Unique Gurantee

If you do not pass the exam at the first time, we will not only arrange FULL REFUND for you, but also provide you another exam of your claim, ABSOLUTELY FREE!

NEW QUESTION 1

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

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 2

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?

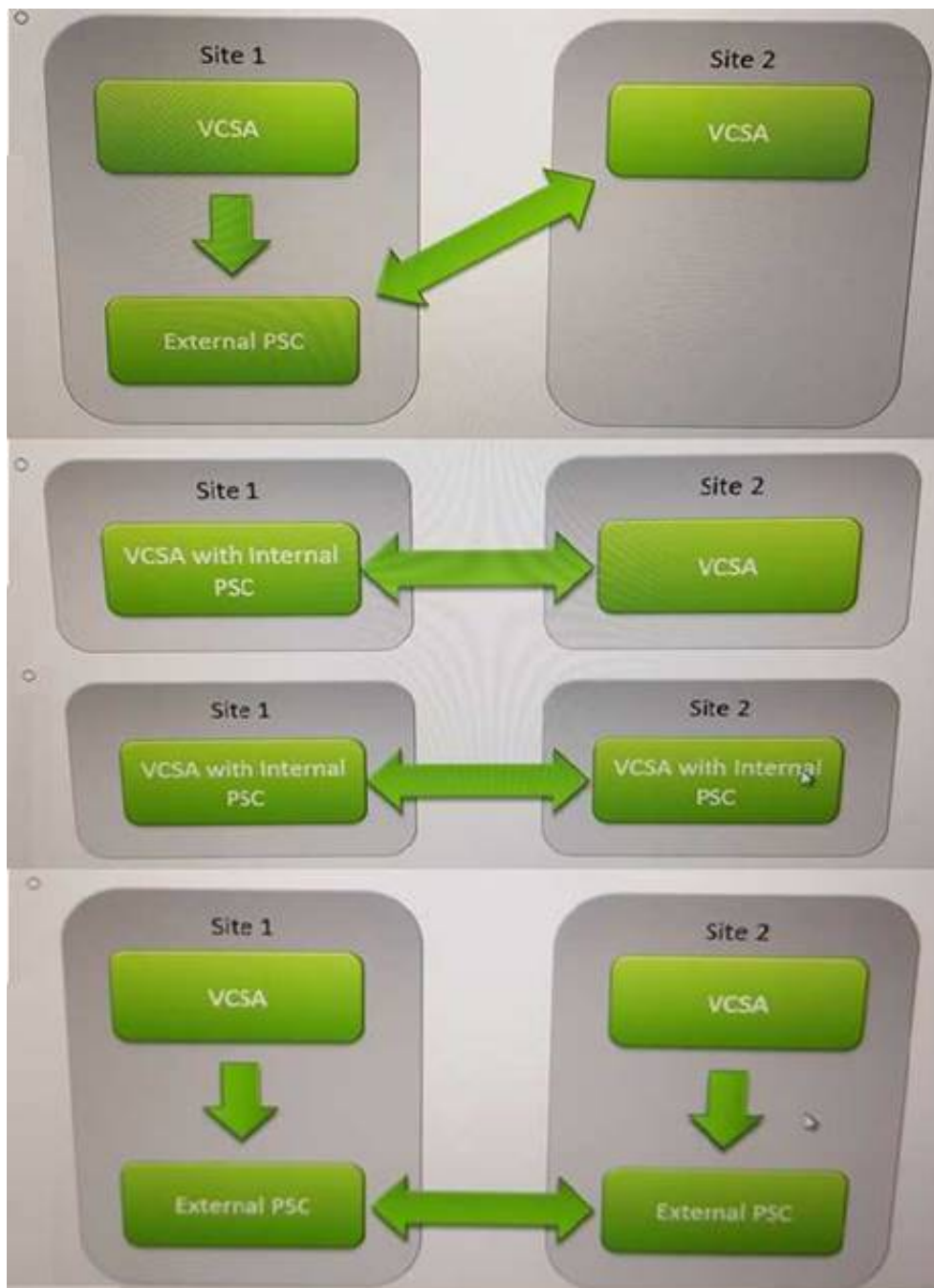
- A. The chosen architecture is sufficient.
B. All departments demand different SLAs.
C. Final budget approvals are being discussed.
D. The environment will be shared by several departments.

Answer: A

NEW QUESTION 3

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 4

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 5

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 6

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 7

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.)

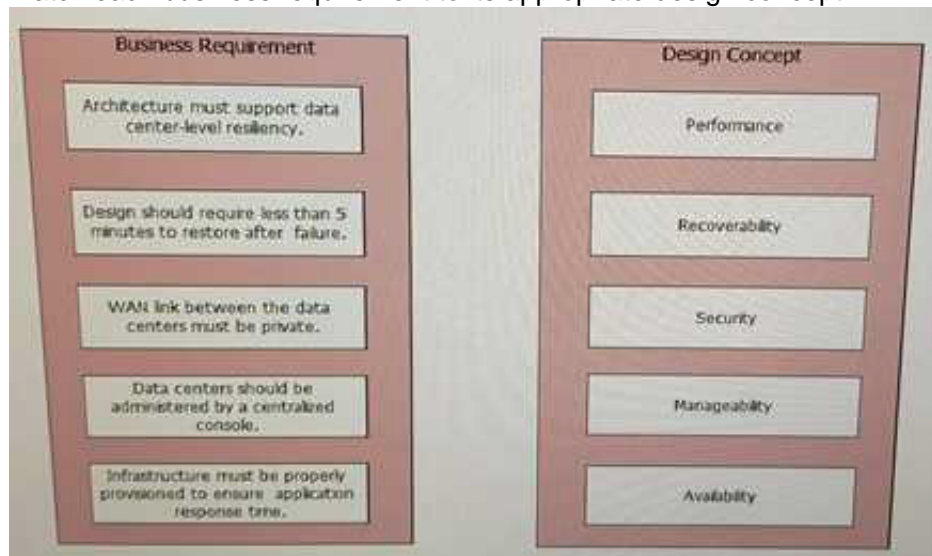
- A. The product of the design must account for regulatory compliance.
- B. The automation solution must be compatible with the existing equipment.
- C. The product of the design must feature 3DES encryption at the virtual machine disk level.
- D. At least two 10Gbps interfaces must be dedicated to storage on each host.
- E. Every host in the design must have Lockdown Mode enabled for security.

Answer: CD

NEW QUESTION 8

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 9

A customer has storage arrays from two different storage vendors at two different sites. The customer wants to restore operations at the secondary site in the event of a disaster.

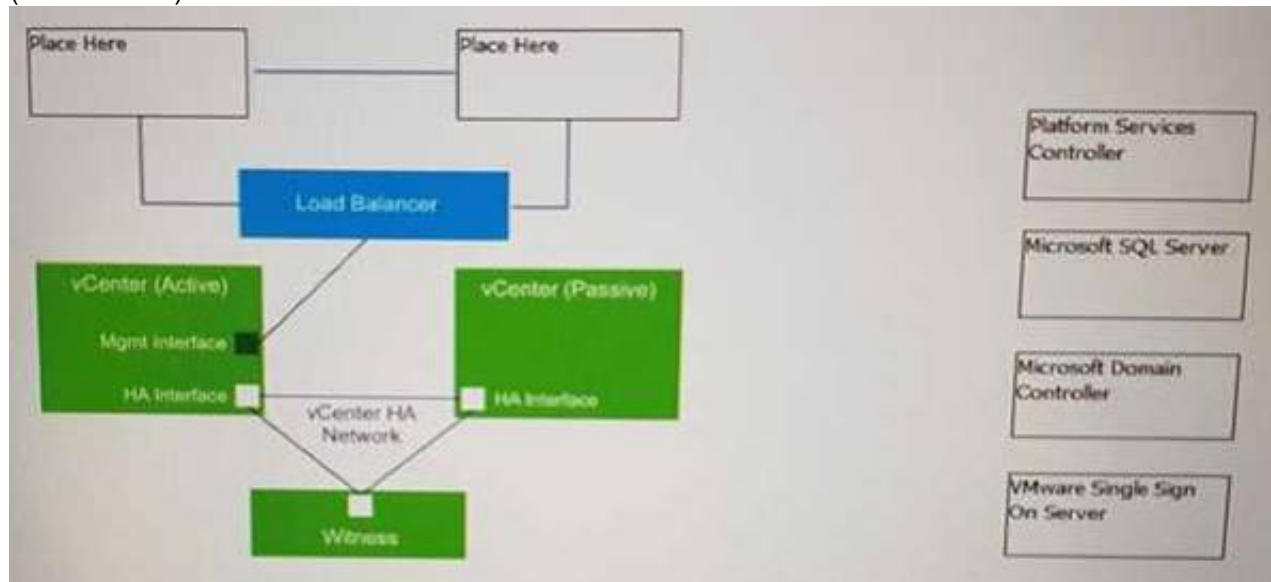
Which VMware technology must be used to meet this requirement?

- A. vSphere replication
- B. vSphere Data Protection
- C. array-based replication
- D. vSphere Fault Tolerance

Answer: A

NEW QUESTION 10

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 10

You have been tasked with creating a vSphere 6.5 design for an organization. The organization is looking to implement a Virtual SAN into their environment. You have been tasked with determining whether a given Virtual SAN logical design decision meets the technical requirements of their infrastructure. For each Design Decision on the left drag the red Decision buttons (D1-D8) on the right and place it on the proper Technical Requirement. NOTE: Not all Design Decisions will be used.

Design Decision		Technical Requirement	
D1	2 each 1 Gbps NICs		Data Availability
D2	2 each 10Gbps NICs		
D3	FTT = 2		Throughput
D4	4 hosts 2U each + 1 Blade server		Write Performance
D5	4 hosts 4U each		
D6	4 hosts 2U each + 2 Blade servers		Cluster Size
D7	Stripe Width = 1		
D8	Stripe Width = 3		

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Design Decision	Technical Requirement
D1 2 each 1 Gbps NICs	Data Availability D2 D5 D8
D2 2 each 10Gbps NICs	
D3 FTT = 2	Throughput D2 D6 D7
D4 4 hosts 2U each + 1 Blade server	
D5 4 hosts 4U each	Write Performance D1 D3 D5
D6 4 hosts 2U each + 2 Blade servers	
D7 Stripe Width = 1	Cluster Size D4
D8 Stripe Width = 3	

NEW QUESTION 13

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

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

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

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

Answer: ABDF

NEW QUESTION 14

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 18

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 21

You have been tasked with creating a vSphere 6.5 data center design for an organization. The organization has provided a number of requirements, resulting in a preliminary vSphere cluster design shown in the Scenario. The organization has purchased additional servers configured with large amounts of resources (i.e. CPU, RAM) that could be integrated into the cluster design. Consider each vSphere cluster design and determine the benefit of adding additional servers to the design.

Based on customer requirements, a vSphere Cluster design has been defined:

Cluster A (8 ESXi hosts)	<ul style="list-style-type: none"> - High Performance Resource Pool – 70% of all cluster resources, virtual machines have dedicated reservations for CPU and Memory that do not expand. <ul style="list-style-type: none"> - Contention Present: None - VMs: 20 - Infrastructure Resource Pool – 30% of all resources, virtual machines have dedicated reservations for CPU and Memory that do not expand <ul style="list-style-type: none"> - Contention Present: None - VMs: 12
Cluster B (3 ESXi hosts)	<ul style="list-style-type: none"> - Development Resource Pool – 50% of all resources, virtual machines have no CPU or Memory reservations present. <ul style="list-style-type: none"> - Contention Present: Memory Contended, no CPU Contention - VMs: 18 - Reporting Resource Pool – 50% of all resources, virtual machines memory reservation may expand, no CPU reservation present. <ul style="list-style-type: none"> - Contention Present: Memory Contended, CPU Contended - VMs: 2
Cluster C (6 ESXi hosts)	<ul style="list-style-type: none"> - Client Back-End Hosting Resource Pool – 75% of all resources, virtual machines have CPU and Memory limits <ul style="list-style-type: none"> - Contention Present: Memory Contended - VMs: 5 - Client Front-End Hosting Resource Pool – 25% of all resources, virtual machines have no CPU limits, however memory limits are in place. <ul style="list-style-type: none"> - Contention Present: Memory contended, no CPU Contention

Match the Action on the left by dragging the red buttons (A1-A3) over the text of the corresponding Effect. NOTE: Actions taken might have more than one Effect on the cluster design.

Database Requirements		Design Characteristics	
R1	Add servers to Cluster A		Provides additional CPU resources to every virtual machine in the cluster.
R2			Provides additional memory resources to every virtual machine in the cluster.
R3	Add servers to Cluster B		Provides additional CPU resources to some virtual machines in the cluster.
			Provides additional memory resources to some virtual machines in the cluster.
	Add servers to Cluster C		No benefit to virtual machine CPU resources.
			No benefit to virtual machine memory resources.

- A. Mastered
- B. Not Mastered

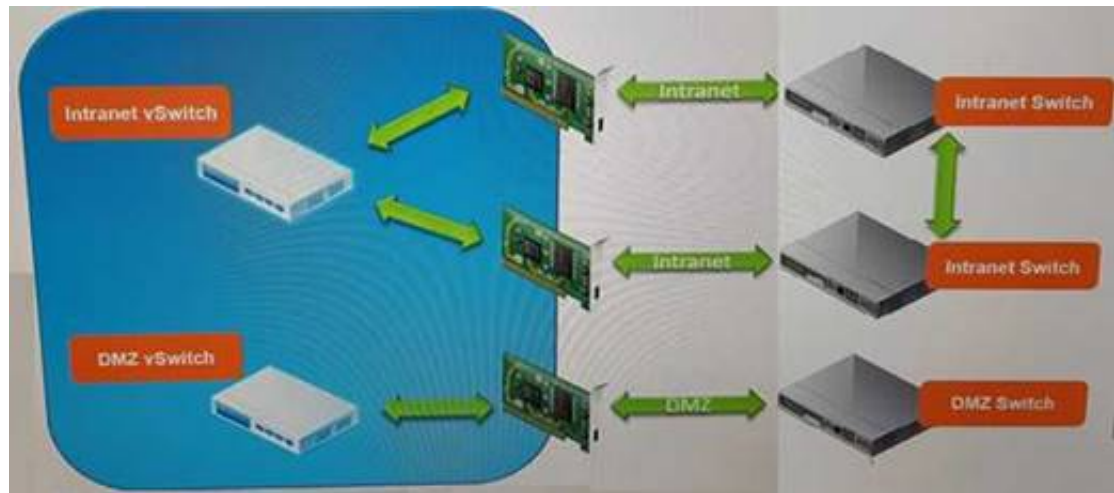
Answer: A

Explanation:

Database Requirements		Design Characteristics	
R1	Add servers to Cluster A		Provides additional CPU resources to every virtual machine in the cluster.
		R3	Provides additional memory resources to every virtual machine in the cluster.
	Add servers to Cluster B	R2	Provides additional CPU resources to some virtual machines in the cluster.
		R1	Provides additional memory resources to some virtual machines in the cluster.
	Add servers to Cluster C		No benefit to virtual machine CPU resources.
			No benefit to virtual machine memory resources.

NEW QUESTION 22

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 27

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 29

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 31

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

R1

Physical network ports equal networks required.

R2

Physical network ports are less than networks required.

R3

Need to limit communication between servers in the same layer 2 network.

R4

Customer has a 10Gb network.

R5

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

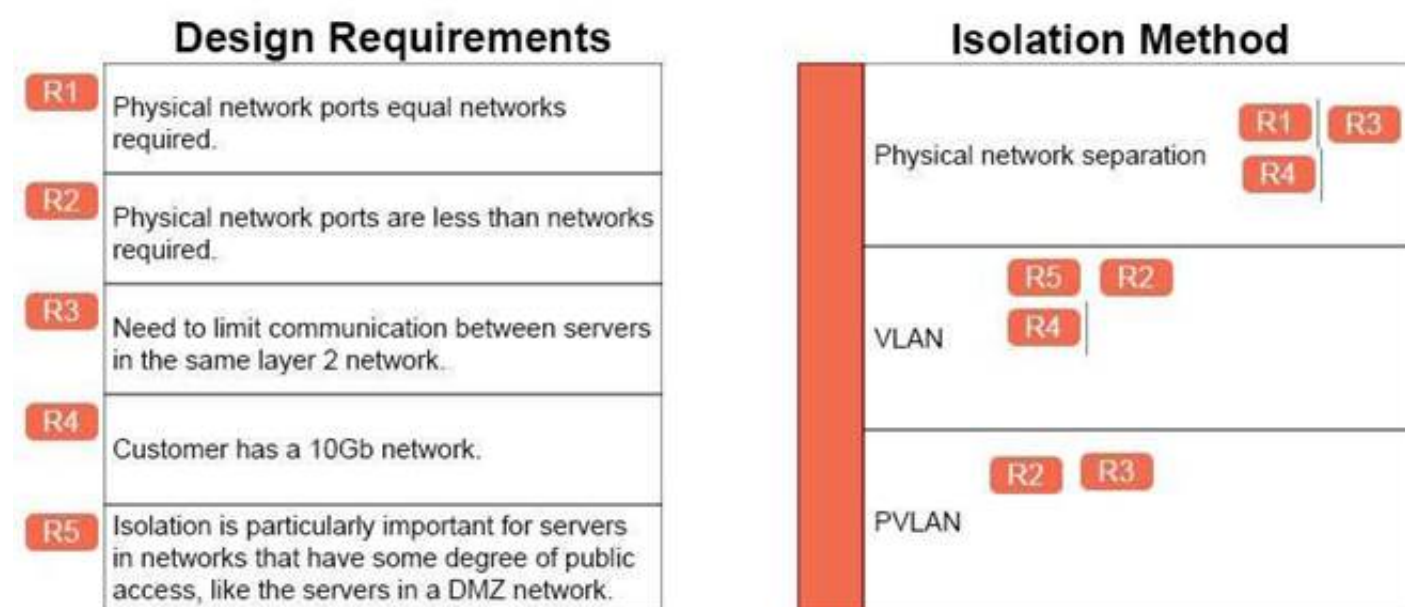
VLAN

PVLAN

- A. Mastered
- B. Not Mastered

Answer: A

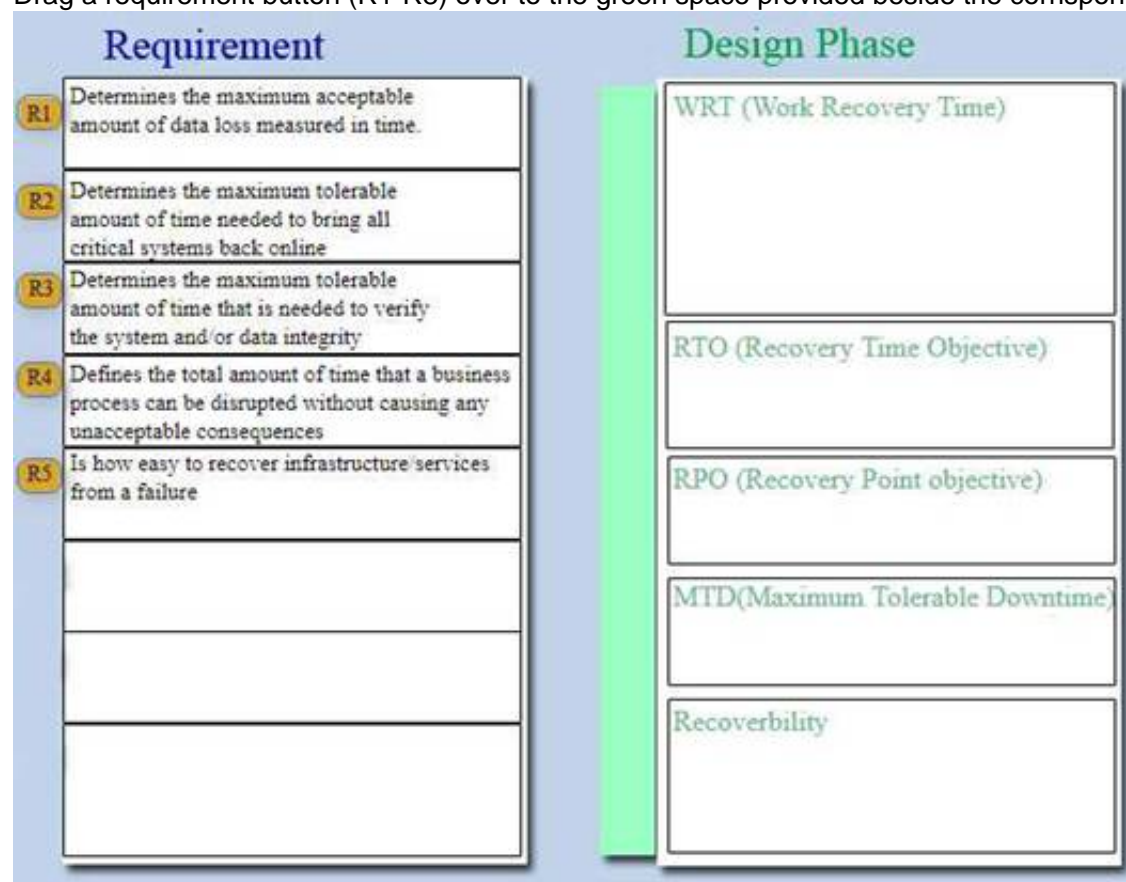
Explanation:



NEW QUESTION 35

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.

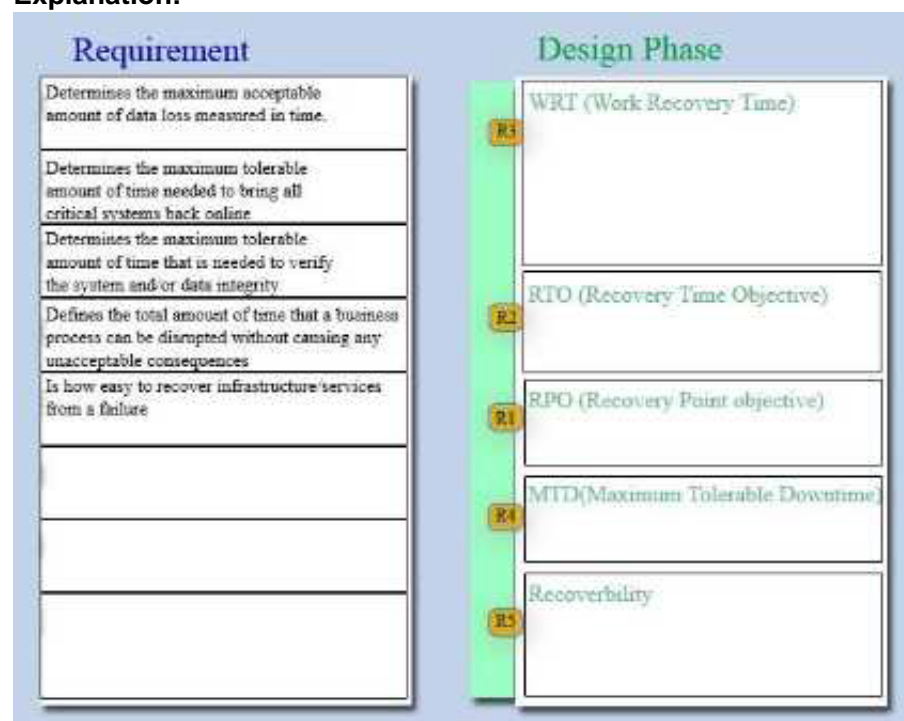
Drag a requirement button (R1-R8) over to the green space provided beside the corresponding Design Phase.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 36

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 38

A customer is using a vSphere APIs for Storage Awareness (VASA) compatible storage array. The VASA provider is published as a virtual appliance. To ensure recoverability, where must the VASA prowler and vCenter server virtual machines be stored?

- A. The VASA provider and vCenter Server will be placed on the standard datastore (VMFS, NFS).
- B. The VASA provider and vCenter Server will be placed on the vVol datastore.
- C. The vCenter Server will be placed on the vVol datastore and the VASA provider will be placed on the standard datastore (VMFS, NFS).
- D. The VASA provider will be placed on the vVol datastore and the vCenter Server will be placed on the standard datastore (VMFS, NFS)

Answer: A

NEW QUESTION 39

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

NEW QUESTION 40

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 41

.....

Relate Links

100% Pass Your 3v0-624 Exam with ExamBible Prep Materials

<https://www.exambible.com/3v0-624-exam/>

Contact us

We are proud of our high-quality customer service, which serves you around the clock 24/7.

Viste - <https://www.exambible.com/>