VMware

Exam Questions 3v0-624

VMware Certified Advanced Professional 6.5 - Data Center Virtualization Design Exam

NEW QUESTION 1
A customer warns 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 2
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 3
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 4
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 till 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 5
A customer has storage arrays from two different storage vendors at two different sites. The customer warts to restore operations at the secondary site in the event of a disaster.
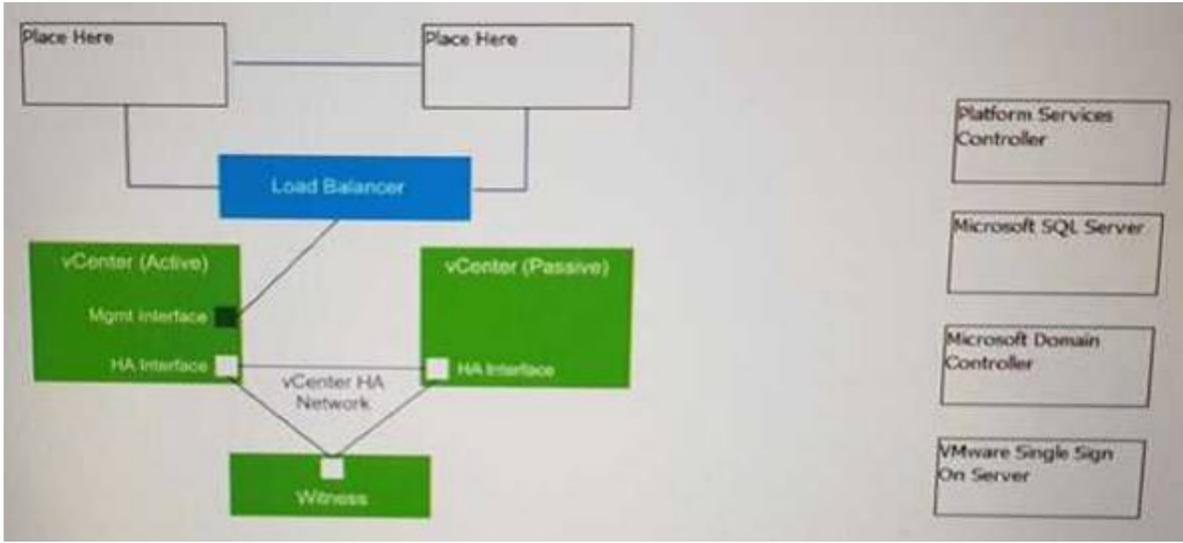Which VMware technology must be used to meet this requirement?

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

Answer: A

NEW QUESTION 6
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 7
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 8
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.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 9
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
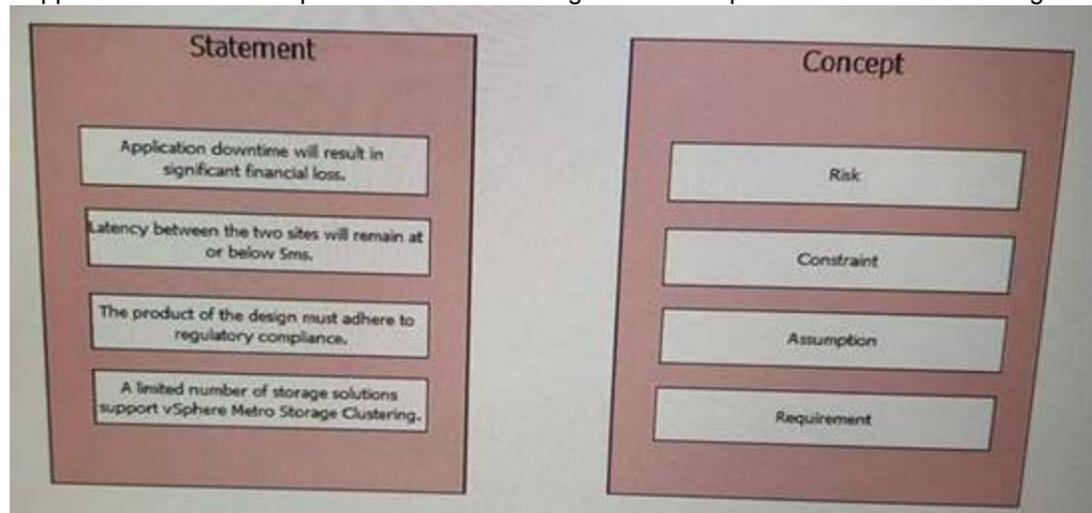
A. Mastered
B. Not Mastered

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 10
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 11
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.l
C. FCoE
D. iSCSI

Answer: B

NEW QUESTION 12
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 severs have a 90-day delivery time.
• A data center for disaster recovery has been selected, and it is 20 miles way 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 13
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 contact with the co-lo data center.
• The building that is currently occupied no hanger 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 14
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 additing Network I/O Control to the design.	

A. Mastered
B. Not Mastered

Answer: A

Explanation:

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.
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Solution

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

NEW QUESTION 15
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 16
A developer is tasked with building an application to process shipping requests. The developer is consulting the vSphere team to determine failover options and performance best practices.
• The development team is providing three physical ESXi hosts with 8 CPU cores and 256G8 of RAM per host.
• The developer does NOT know how many virtual machines they will require.
Which virtual machine (VM) sizing strategy will provide the highest level of uptime, individual VM performance, and failover capacity?

A. A few large 8 vCPU VMs per host protected by vSphere HA.
B. Many small 1 vCPU VMs participating in an OS level clustered application protected by vSphere HA.
C. A few large 8 vCPU VMs per host protected by vSphere Fault Tolerance.
D. Many small l vCPU VMs participating in an OS level clustered application protected by vSphere Fault Tolerance.

Answer: A

NEW QUESTION 17
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 18
What topics need to be considered when creating a storage design?

A. Application I/O requirements
B. Growth rate
C. Latency
D. All of the above

Answer: D

NEW QUESTION 19
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