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Exam : **VCAD510**

Title : VMware Certified Associate -
Data Center Virtualization
(VCA-DCV) Exam

Vendor : VMware

Version : DEMO

NO.1 You work for a chain of grocery stores. For performance reasons, you want to run each store from VMs located at the store, but you can only afford one server per store. You want to make sure that in the event the server fails that the store can run from a VM at the corporate headquarters instead with minimal downtime. Which solution provides this capability?

- A. High Availability
- B. Data Protection
- C. vSphere Replication
- D. vMotion

Answer: C

Reference: <http://www.vmware.com/products/vsphere/features-replication>

NO.2 What is a feature of vSphere?

- A. Distributed Power Management
- B. Distributed Resource Management
- C. Distributed Power Scheduler
- D. Distributed Resource Protection

Answer: A

Reference: <http://www.vmware.com/products/vsphere/features-drs-dpm>

NO.3 You are planning to use shared storage for your evaluation of vSphere. Your colleague is describing a storage topology that can be built on a dedicated, 4Gbps, 8Gbps, or 16Gbps network composed of two fabrics for redundancy. What is the name of this type of shared storage?

- A. Fibre Channel over Ethernet (FCoE)
- B. Fibre Channel
- C. NFS
- D. iSCSI

Answer: B

NO.4 How does vCenter communicate with each other ESXi Server?

- A. vCenter periodically polls each ESXi server using a virtual machine port.
- B. A vCenter agent is added to each ESXi server as it is added to the vCenter inventory
- C. vCenter uses a Wake-on-LAN to access the local ESXi services.
- D. vCenter does not communicate directly with an ESXi server, it relies on administrative involvement.

Answer: B

NO.5 You are planning to deploy a new VMware environment. The team leader of the networking team has requested the ability to monitor virtual machine traffic in order to maintain the physical network more efficiently. Which option provides this capability?

- A. Create a distributed port group and configure port mirroring
- B. Create a standard port group and use Cisco Discover Protocol (CDP)
- C. Create a standard port group and use Link Layer Discovery Protocol (LLDP)
- D. Create a distributed port group and use Network I/O Control (NIOC)

Answer: A

Reference: <http://blogs.vmware.com/vsphere/2013/01/vsphere-5-1-vds-feature-enhancementsport-mirroring-part-1.html>

NO.6 You are converting your physical servers into virtual machines. One prospective virtual machine has an application that utilizes a 1.5 TB SAN LUN for data. You are concerned that this new virtual machine would take too long to convert to a virtual machine. How can you configure the storage of this virtual machine to minimize the conversion time required to copy the data across the network?

- A. Place the new VM on a thin provisioned VMFS volume with other VMs
- B. Place the new VM on a shared VMFS datastore with other VMs
- C. Place the new VM on local storage available to only one ESXi host
- D. Deploy the new VM with a raw device mapping (RDM)

Answer: D

Explanation:

Explanation/Reference: <http://pubs.vmware.com/vsphere-55/index.jsp#com.vmware.vsphere.hostclient.doc/GUIDB3522FF1-76FF-419D-8DB6F15BFD4DF12A.html?resultof=%2522%2572%2564%25d%2522%2520>

NO.7 A large hospital has called you to consult on their new VMware deployment. They are concerned about the management for the new virtual networks. What can you tell them about the virtual switches?

- A. Standard switches can only be managed through the command line
- B. Distributed switches cannot be managed by using vCenter
- C. Standard switches can be managed through vCenter, or by going directly to the ESXi host
- D. Distributed switches can only managed through the physical ESXi server

Answer: C

NO.8 Your company has just purchased a new storage array to host your virtual machines (VMs). You have connected the storage to each of your ESXi hosts and now wish to move some of the running VMs to the new storage. Which vCenter feature would help you do this non-disruptively?

- A. Storage I/O Control
- B. High Availability
- C. Distributed Resource Scheduler (DRS)
- D. Storage vMotion

Answer: D

Reference:

<http://pubs.vmware.com/vsphere51/index.jsp?topic=%2Fcom.vmware.vsphere.vcenterhost.doc%2FGUID-AB266895-BAA4-4BF3894E-47F99DC7B77F.html>

NO.9 You arrive at a customer site and find that the customer is considering a conversion from physical to virtual servers. They are curious as to how they can perform updates on their new virtual machines, and still minimize the possible impact to the virtual machines. What VMware option will

allow them to update their virtual machines safely?

- A. Virtual servers do not need to be patched, since they are virtual.
- B. Virtual servers can use a snapshot to save the existing state of the virtual operating system prior to the update.
- C. Virtual servers will need to be cloned prior to updating to save the original state.
- D. There is no way to save the original state of the virtual machine prior to performing an update.

Answer: B

Reference:

http://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=1009402

NO.10 What is a scalability challenge that vSphere can address?

- A. Change management processes are simplified
- B. Automatic balancing of virtual machines after adding new physical servers
- C. Easier disaster recovery processes
- D. Users have self-service provisioning of virtual machine workloads

Answer: B

Reference: <http://www.vmware.com/files/pdf/techpaper/Whats-New-VMware-vSphere-51-Platform-Technical-Whitepaper.pdf> (page 12)