



# VCAD510<sup>Q&As</sup>

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

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**QUESTION 1**

You have a physical server that needs to have a fan replaced. You don't have a maintenance window available for several days but don't want to risk a second failure causing the server to crash. Which feature allows you to move all the VMs to another host with no downtime to the VMs?

- A. vSphere Replication (VR)
- B. Fault Tolerance (FT)
- C. vSphere data protection
- D. vMotion

Correct Answer: D

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

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**QUESTION 2**

Your company needs the features provided in a distributed switch. You have been tasked with finding the least expensive version of vSphere that meets the need. Which edition meets these requirements?

- A. Enterprise Plus Edition
- B. Standard Edition
- C. Essentials Edition
- D. Enterprise Edition

Correct Answer: A

Reference: <http://searchitchannel.techtarget.com/tip/VMwares-standard-and-distributed-virtual-switches/What-resellers-need-to-know> (see VMware sphere standard virtual switch)

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**QUESTION 3**

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)



Correct Answer: A

Reference: <http://www.vcritical.com/2009/10/responsible-thin-provisioning-in-vmware-vmware/>

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#### QUESTION 4

You have a VMware environment and you have noticed that the storage capacity of your datastores varies widely. You would like to maximize the storage environment by balancing the space utilization across each of the datastores. Which of the following is a viable solution?

- A. Storage I/O Control
- B. vSphere APIs for Array Integration (VAAI)
- C. vSphere APIs for Storage Awareness (VASA)
- D. Storage Distributed Resource Scheduler (SDRS)

Correct Answer: D

Reference: <http://www.vmware.com/files/pdf/vmw-vsphr-5-1-stor-drs-uslet-101-web.pdf> (page 5, first para)

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#### QUESTION 5

Your VMware environment was deployed by a contractor and you are taking over management responsibilities. The contractor has configured a 5-node Distributed Resource Scheduler (DRS) cluster, and has deployed all of your virtual machines within the cluster. Why was a DRS cluster chosen?

- A. DRS can automatically load balance the cluster to equalize resource utilization
- B. DRS will protect the virtual machines from malware and virus attacks automatically
- C. DRS is used to automatically backup the virtual machines on an administrator's schedule
- D. DRS will prevent any downtime for the virtual machines by maintaining a steady input voltage for the physical servers

Correct Answer: A

Reference: [https://www.google.com/url?](https://www.google.com/url?sa=t&drct=j&andq=andesrc=s&andsource=web&andcd=1&andved=0CCsQFjAA&andurl=http%3A%2F%2Flabs.vmware.com%2Fdownload%2F157%2Fandei=cupwUqjyFoas7QaZ8oGgDgandusg=AFQjCNFRald4MklmW9T7a3110feK3S8YbA&andsig2=hXQ4tI5RzCC9CIZK6tf8IQandbvm=bv.55617003,d.ZGU)

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