



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

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

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### QUESTION 1

You are discussing virtual networking with a colleague. She asks you which type of virtual switch supports the advanced networking option called Port Mirroring. Which of the following is the correct answer?

- A. Extended virtual switch
- B. Distributed virtual switch
- C. Standard virtual switch
- D. Enterprise virtual switch

Correct Answer: B

Reference: <http://blogs.vmware.com/vsphere/2011/08/vsphere-5-new-networking-features-port-mirroring.html>

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### QUESTION 2

Your organization would like to evaluate vSphere, but you are concerned that you won't be able to take advantage of many of the features because you do not have a shared storage infrastructure.

Which VMware feature could help you transform your local storage into usable shared storage for your VMs?

- A. vSphere Storage Appliance (VSA)
- B. Storage DRS
- C. Storage vMotion
- D. vSphere Replication

Correct Answer: B

Reference: <http://labs.vmware.com/vmtj/storage-drs-automated-management-of-storage-devices-in-a-virtualized-datacenter>

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### QUESTION 3

Your boss is confused on the relationship between a Virtual Machine and a hypervisor. Which statement best describes this relationship?

- A. There is no relationship between them, just marketing differences.
- B. A Hypervisor is where VMs run.
- C. A VM and a hypervisor is the same thing.
- D. A VM is where hypervisors run.

Correct Answer: B



#### QUESTION 4

You work for a small company that can't afford to upgrade the entire environment at once. Currently you have several small servers with internal storage on each. You desire to automate the environment as much as possible (using vMotion, DRS, HA, etc.) so you have time to work on other projects. Which of these choices will best meet these goals?

- A. Buy shared storage.
- B. Buy servers with more RAM.
- C. Buy servers with more CPUs.
- D. Upgrade the network to 10 GbE.

Correct Answer: D

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#### QUESTION 5

You are meeting with fellow administrators and management about an upcoming virtualization project. The topic of vCenter is brought up and the discussion centers around the desire to virtualize vCenter for host management. Which of the following is a benefit of virtualizing vCenter?

- A. vCenter can easily be virtualized and HA can be used to restart the virtual machine if necessary
- B. vCenter cannot be virtualized due to the high level of administrator connections
- C. vCenter can be virtualized, but it has to be deployed on a 32-bit server
- D. vCenter can only be virtualized if local storage is used

Correct Answer: A

Reference: <http://searchvmware.techtarget.com/tip/Virtualizing-vCenter-Server-Worth-the-effort>

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#### QUESTION 6

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

Correct Answer: A

Reference: [http://pubs.vmware.com/vsphere-50/index.jsp?topic=%2Fcom.vmware.vcli.examples.doc\\_50%](http://pubs.vmware.com/vsphere-50/index.jsp?topic=%2Fcom.vmware.vcli.examples.doc_50%2F)

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### QUESTION 7

Your manager wants to know how virtual machines are going to benefit the organization. What two statements accurately explain what virtual machines do? (Choose two.)

- A. Allow users to recover deleted files themselves.
- B. Reduce your application licensing costs.
- C. Provide higher up time than physical servers.
- D. Reduce the number of physical servers.

Correct Answer: BD

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### QUESTION 8

Which vSphere feature allows for more efficient storage usage?

- A. Snapshots
- B. Fast Provisioning
- C. Thin Provisioning
- D. Storage vMotion

Correct Answer: C

Reference: <http://www.vmware.com/files/pdf/Storage-with-VMware-vSphere.pdf>

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### QUESTION 9

You have a virtual machine that requires a software update. You have not yet tested the update, so you need a back out plan. If the update fails you want to recover the VM to its current state. Which of the following features will help you do this in the least amount of time?

- A. Fault Tolerance
- B. vSphere Replication
- C. Snapshots
- D. vSphere Data Protection

Correct Answer: C

Reference: [http://www.vmware.com/support/ws4/doc/preserve\\_snapshot\\_ws.html](http://www.vmware.com/support/ws4/doc/preserve_snapshot_ws.html)

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#### QUESTION 10

Your organization has a cluster of ESXi hosts that all have local storage devices, including Solid State Drives. You wish to take advantage of this storage for your VMs, but you don't want to sacrifice the vSphere abilities granted by having shared storage. Which of the following is an appropriate solution?

- A. Use Storage DRS to create a cluster of the local datastores
- B. Use Storage vMotion to move the VMs to local datastores
- C. Implement Storage I/O Control on the local datastores
- D. vSphere Storage Appliance (VSA)

Correct Answer: D

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#### QUESTION 11

You are the administrator for your company's VMware deployment. You have noticed that one of the datastores has two drives that are reporting excessive read errors. You would like to replace these failing drives, but cannot take the virtual machines offline at this point. Which technology would provide a solution to the problem?

- A. Storage vMotion
- B. vSphere APIs for Array Integration (VAAI)
- C. vSphere APIs for Storage Awareness (VASA)
- D. Storage Profiles

Correct Answer: A

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#### QUESTION 12

What is a management challenge that vSphere can address?

- A. Virtual machines require less administration
- B. Centralized management of many servers
- C. Remote offices need dedicated management
- D. Regulatory compliance is more lenient in a virtual datacenter

Correct Answer: B

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#### QUESTION 13

What is a feature of vSphere?



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

Correct Answer: A

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

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#### QUESTION 14

Your manager comes and asks you how the VMs will be able to connect to the outside world. You explain that there are two ways to connect to the network in vSphere. Which two options can be used for this purpose? (Choose two.)

- A. Distributed Switch
- B. Standard Switch
- C. Virtual router
- D. Enhanced Switch

Correct Answer: AB

Reference: [http://pubs.vmware.com/vsphere-55/index.jsp?topic=%2Fcom.vmware.vcli.examples.doc%2Fcli\\_manage\\_networks.11.2.html](http://pubs.vmware.com/vsphere-55/index.jsp?topic=%2Fcom.vmware.vcli.examples.doc%2Fcli_manage_networks.11.2.html)

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#### QUESTION 15

You have deployed a virtual environment that is utilizing 7 physical servers and you determine the average resource utilization during non-business hours is very low. Your manager is concerned that the company is wasting money on power consumption. Which technology can help reduce excess power consumption?

- A. vSphere Distributed Switch (vDS)
- B. vSphere APIs for Storage Awareness (VASA)
- C. A kick-start file
- D. Distributed Power Management (DPM)

Correct Answer: D

Reference: <http://www.vmware.com/files/pdf/Distributed-Power-Management-vSphere.pdf>