

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

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

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## QUESTION 1

Your management has asked you to project your anticipated virtual machine storage needs over the next 18 months. Which technology would help provide the required information?

- A. vCenter Site Recovery Manager
- B. vCenter Operations Manager
- C. vCenter Update Manager
- D. vCenter Configuration Manager

Correct Answer: B

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## QUESTION 2

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

Correct Answer: B

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## QUESTION 3

You have completed a vSphere deployment for your customer. They have a very critical application that they are concerned about minimizing data loss from a site-level disaster. Which technology offers a possible solution?

- A. vSphere Replication
- B. Storage I/O Control (SIOC)
- C. Distributed Resource Scheduler (DRS)
- D. vCenter Virtual Appliance (vCVA)

Correct Answer: A

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## QUESTION 4

What is a Management challenge that vSphere can address?

- A. Change management processes can be eliminated
- B. CMDBs are automatically updated
- C. IT processes can be automatically updated
- D. Legacy applications can be run on new hardware

Correct Answer: C

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## QUESTION 5

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

Correct Answer: D

Reference: [http://pubs.vmware.com/vsphere-51/index.jsp?topic= % 2Fcom.vmware.vsphere.vcenterhost.doc%2FGUID-AB266895-BAA4-4BF3-894E- 47F99DC7B77F.html](http://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.vcenterhost.doc%2FGUID-AB266895-BAA4-4BF3-894E-47F99DC7B77F.html)

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## QUESTION 6

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

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## QUESTION 7

Developers in your organization are concerned about moving away from physical equipment to virtual machines as they don't understand what a VM is. You explain that a VM is:

- A. A conceptual framework for developing operating systems.
- B. Similar to a physical computer, except many VMs can run on the same hardware.
- C. The same thing as a physical computer.
- D. A conceptual framework for developing applications.

Correct Answer: B

Reference: [http://en.wikipedia.org/wiki/Virtual\\_machine](http://en.wikipedia.org/wiki/Virtual_machine)

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### QUESTION 8

Which of the following features is a benefit of shared storage within a VMware environment?

- A. Allows storage to be deployed from a single vendor
- B. Provides the ability to backup data more efficiently
- C. Provides the ability to view the disk I/O more efficiently
- D. Allows for the deployment of DRS and HA clusters

Correct Answer: D

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### QUESTION 9

You have a large virtual environment with workloads that vary widely throughout the day. You want an automated system to quickly load balance as conditions change. What vSphere feature performs this task?

- A. Distributed Resource Scheduler (DRS)
- B. vMotion
- C. vSphere Replication (VR)
- D. Storage DRS (SDRS)

Correct Answer: D

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

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### QUESTION 10

You are planning to evaluate vSphere but you presently have no shared storage devices. Which of the following vCenter features will function without shared storage?

- A. vMotion
- B. Distributed Power Management (DPM)
- C. High Availability (HA)
- D. Fault Tolerance (FT)

Correct Answer: A

Reference: <http://blogs.vmware.com/vsphere/2012/09/vmotion-without-shared-storage-requirement- does-it-have-a-name.html> (third para)

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## QUESTION 11

You are discussing vSphere features with your manager. He asks you: "What is vFlash?" What do you tell him?

- A. A tool that improves the network performance of your VMs.
- B. A tool that improves the disk performance of your VMs.
- C. A tool that quickly replicates your VMs to a remote site.
- D. A tool that provides snapshots of your VMs.

Correct Answer: B

Reference: <http://www.yellow-bricks.com/2013/08/26/introduction-to-vsphere-flash-read-cache- aka-vflash/>

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## QUESTION 12

Your email server lives on a storage array, but performance is not adequate. You can't afford a new array or to replace the drives in the array, but need better performance for your email server which is searched frequently. Which feature will provide the needed performance boost?

- A. vFlash
- B. vSAN
- C. VSA
- D. Storage vMotion

Correct Answer: A

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

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## QUESTION 13

You have a single VMware ESXi host, and you do not have vCenter server installed to manage this host. Which two actions can be performed without the presence of vCenter? (Choose two.)

- A. Clone a powered off virtual machine
- B. Create a datastore on shared storage
- C. Create a virtual machine
- D. Set an alarm on a virtual machine

Correct Answer: AC

Reference: [http://pubs.vmware.com/vsphere-51/index.jsp?topic= %2Fcom.vmware.vsphere.solutions.doc %2FGUID-91F2410C-DF89- 4F98-8112-CF0D00400E23.html](http://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.solutions.doc%2FGUID-91F2410C-DF89-4F98-8112-CF0D00400E23.html)

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## QUESTION 14

What might you tell your boss to convince him to start datacenter virtualization?

- A. Servers will generate less heat
- B. Your users can self-provision servers
- C. You will save on power
- D. You can\\'t physically touch virtual machines

Correct Answer: B

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## QUESTION 15

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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