VCAD510^{Q&As}

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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

QUESTION 2

You are explaining virtual networking to your colleague. During the discussion she asks you how the VMs are able to talk to physical devices on the network. Which of the following is true statement?

A. VMs are connected directly to the network via Uplink ports; virtual switches are only used for ESXi communication.

B. VMs are connected to virtual switches via VM port Groups; virtual switches are connected to the physical network via uplink ports.

C. VMs are connected to virtual switches via Uplink ports; virtual switches are connected to the physical network via VM port groups.

D. VMs are connected directly to the network via special physical cards; virtual switches are only used for ESXi communication.

Correct Answer: B

Reference: http://www.vmware.com/pdf/vi_architecture_wp.pdf

QUESTION 3

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

QUESTION 4

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

QUESTION 5

You are the VMware administrator for your local hospital. A fellow administrator has asked what role a datastore plays in the environment. Which of the following is a good definition of a datastore?

A. A datastore is used by the hypervisor to swap local memory content if needed

B. A datastore is used as the destination for the core dump file

C. A datastore is used by the hypervisor to store logs and performance data

D. A datastore is where virtual machine\\'s files are stored

Correct Answer: D

QUESTION 6

What does virtualization do?

A. Converts hardware into software

B. Converts software into hardware

C. Causes your servers to consume less power

D. Causes your servers to run lighter workloads

Correct Answer: A

QUESTION 7

You are planning a large virtualization project and are concerned that a physical server will cause a prolonged outage until help desk calls are received and all VMs restarted. How can the restart of VMs after a failure be automated?

A. Fault Tolerance (FT)

B. High Availability (HA)

C. Data Protection

D. Distributed Resource Scheduler (DRS)

Correct Answer: B

Reference: http://www.vmware.com/files/pdf/VMware-High-Availability-DS-EN.pdf

QUESTION 8

You are considering using virtual machines for your new corporate email servers. You are giving examples to your manager of the benefits this will provide. Which two examples are true? (Choose two.)

A. Virtual machines can be reverted to prior states to make recovery from accidents simpler.

B. Virtual machines perform faster than physical machines using the same hardware.

C. Virtual machines allow you to add components such as network cards and hard disks while the VM is running.

D. Virtual machines automatically increase and decrease their allocated memory while running.

Correct Answer: CD

QUESTION 9

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

QUESTION 10

Your boss asks you to make sure your VMs are recoverable in the event of data corruption or a major storage failure. Which feature do you tell him meets that requirement?

A. Data Protection

B. Fault Tolerance

C. High Availability

D. Storage vMotion

Correct Answer: A

Reference: http://kb.vmware.com/selfservice/microsites/search.do?
language=en_USandcmd=displayKCandexternalId=2016565

QUESTION 11

Your manager asks you: "What is the relationship between vMotion and VMware\\'s High Availability (HA) feature?"
What do you tell him?

A. vMotion uses VMware\\'s High Availability (HA) feature to move the VMs while they are running.

B. VMware\\'s High Availability (HA) feature uses vMotion to move the VMs after a failure.

C. There is no interdependency between these two features.

D. Either feature only functions if the VMs are powered off.

Correct Answer: B

Reference: https://communities.vmware.com/thread/405330?start=0andtstart=0

QUESTION 12

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)

QUESTION 13

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

QUESTION 14

You are on staff at a large medical center. You have multiple applications that are required to run on Windows NT 4.0, and the base code cannot be upgraded, so you are maintaining several legacy hardware servers. Which of the following can help in this situation?

A. Use the VAAI APIs to allow the legacy application to run within a Windows Server 2008 virtual machine.

B. Use Configuration Manager to modify the Windows NT operating system to run on a new 64- bit server.

C. Use VMware Converter to convert the applications to a 64-bit version and restore them to new servers.

D. Create a Windows NT 4.0 virtual machine for each of the legacy applications and run them on a VMware ESXi server.

Correct Answer: D

QUESTION 15

You work for a convenience store chain that has a full data center including shared storage and many small stores. You want to make sure that data in the stores gets copied to the main data center. Which solution will meet these requirements?

A. Distributed Resource Scheduler (DRS)

B. Storage DRS

C. vSphere Replication (VR)

D. VSA

Correct Answer: C

Reference: http://searchvirtualstorage.techtarget.com/definition/vSphere-Replication