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Exam

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QUESTION 1

You are the CIO. The VP of manufacturing tells you that an old DOS application is critical to the assembly line and that if it goes down, it takes 8 hours to restart the assembly line. The CEO has told you that is unacceptable and has asked you to find a solution that will prevent downtime. Which vSphere feature meets that requirement?

- A. Fault Tolerance (FT)
- B. High Availability (HA)
- C. Data Protection (DP)
- D. vMotion

Correct Answer: A

Reference: <http://www.vmware.com/products/vsphere/features/fault-tolerance.html>

QUESTION 2

What is an availability challenge that vSphere can address?

- A. Virtual machines can be proactively migrated when a server failure is imminent
- B. Hardware maintenance can be performed at any time without application impact
- C. More servers can be deployed to provide higher availability
- D. Disaster recovery is greatly simplified

Correct Answer: A

QUESTION 3

Your company is evaluating data center virtualization on a single ESXi host. You intend to add additional hosts, and perhaps even create a cluster of ESXi hosts configured for High Availability. What software is required to create this cluster of ESXi hosts?

- A. vCloud Connector
- B. Site Recovery Manager
- C. vCloud Director
- D. vCenter Server

Correct Answer: D

Reference: <http://searchvmware.techtarget.com/What-is-VMware-vCenter-Server>

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 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

Correct Answer: C

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

QUESTION 6

You work in a highly regulated, secure environment. You have been tasked with finding a solution that will analyze the environment and report on any changes in the environment to ensure you meet the compliance requirements in your industry. Which VMware product can help to provide this solution?

- A. vCenter Operations Manager
- B. vCenter Change Management
- C. vCenter Configuration Manager
- D. vCloud Director

Correct Answer: C

Reference: http://www.vmware.com/files/pdf/VMware_vCenter_Configuration_Manager_Datasheet__English.pdf

QUESTION 7

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

QUESTION 8

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 9

Which VMware product allows for the shared use of local storage?

- A. vSphere Replication
- B. Site Recovery Manager
- C. vSphere Storage Appliance
- D. Storage vMotion

Correct Answer: C

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

QUESTION 10

You are explaining virtualization to your manager when he asks you to explain the term "hypervisor". Which of the following statements best describes the function of the hypervisor?

- A. A CPU emulator that translates old programming code into new CPU instructions.
- B. Software responsible for allocating hardware resources to a virtual machine.
- C. Software that simulates different operating systems.
- D. A monitoring application installed within virtual machines.

Correct Answer: B

QUESTION 11

You have a critical application that cannot go down. What vCenter feature provides the ability for the application to continue to run even if a host fails?

- A. High Availability (HA)
- B. Fault Tolerance (FT)
- C. vMotion
- D. vSphere Replication (VR)

Correct Answer: A

Reference: <http://www.vmware.com/files/pdf/techpaper/VMW-Server-WP-BestPractices.pdf> (page 2, introduction)

QUESTION 12

Which vSphere feature allows for rapid provisioning of virtual machines?

- A. Distributed Resource Scheduler
- B. vNetwork Distributed Switches
- C. Thin Provisioning
- D. Templates

Correct Answer: D

Reference: <http://globalsp.ts.fujitsu.com/dmsp/Publications/public/ds-vSphere-essentials-ess-plus.pdf> (page 2, see vmware vcenter server for essentials)

QUESTION 13

You are explaining to your manager the different types of storage devices supported in vSphere. You explain that some devices are block-based, while others are file-based. Which of the following is a file-based storage type?

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

Correct Answer: A

Reference: <http://searchstorage.techtarget.com/magazineContent/Block-vs-file-storage-to-support-virtualserver-environments>

QUESTION 14

You are explaining virtual machine storage to a colleague. She asks you where the virtual machine files are stored. What are the storage containers called in vSphere?

- A. VM Port Groups
- B. Clusters
- C. Data Centers
- D. Datastores

Correct Answer: D

Reference: <http://www.yellow-bricks.com/2012/01/16/enabling-hot-add-by-default-cc-gabvirtualworld/>

QUESTION 15

Storage for vSphere broadly falls into two categories, block-based and file-based. Which type of vSphere datastore is block-based?

- A. NFS
- B. VMFS
- C. NTFS
- D. EXT4

Correct Answer: B

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

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