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VMware Certified Associate 6 – Data Center Virtualization
Fundamentals

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QUESTION 1

A consultant is meeting the COO of a new client to help the company consider implementing data center virtualization. The COO asks the consultant to explain the benefits of virtualization. Which are three benefits of data center virtualization with vSphere 6.x? (Choose three.)

- A. It supports automatic software integration.
- B. It provides unlimited storage.
- C. It delivers high application availability.
- D. It helps reduce capital and operating expenditures.
- E. It increases IT productivity.

Correct Answer: BCD

QUESTION 2

What are two features of a resource pool? (Choose two.)

- A. Controls the aggregate CPU and memory resources of the DRS cluster.
- B. Allocates available resources among the virtual machines.
- C. Consolidates workloads to reduce the power consumed by the cluster.
- D. Provides easy migration and monitoring.

Correct Answer: BC

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

QUESTION 3

Where does Fault Tolerance store the primary and secondary virtual machine files?

- A. Only local storage
- B. Only shared storage
- C. Both shared and local storage
- D. SSD

Correct Answer: B

Reference: <https://communities.vmware.com/message/2155776>



QUESTION 4

An administrator is working in a bank that has a highly regulated, secure environment. The bank faces an increasing number of clients, and the administrator is finding it difficult to monitor the environment and report any changes. Which VMware product can help provide a solution?

- A. vSphere Hypervisor
- B. vRealize Operations Manager
- C. Air Watch
- D. Virtual SAN

Correct Answer: B

QUESTION 5

A network administrator notices that a few virtual machines run slowly every morning. To troubleshoot the issue the administrator needs to analyze the total traffic sent to virtual machines. Which feature would the administrator use for troubleshooting?

- A. Virtual LANs
- B. Traffic Shaping
- C. NetFlow
- D. Port Mirroring

Correct Answer: D

Explanation: I would like to clarify a few things in this blog entry about the Port-mirroring feature that is available on vSphere Distributed Switch (VDS). This feature is similar to the port mirroring capability available on the physical switches. Network administrators can use this feature to troubleshoot any network related issues in the virtual infrastructure and monitor virtual_machine-to-virtual_machine traffic that is flowing on the same ESXi host. Network administrators use network analyzer tool, which captures traffic, along with the port mirror feature to perform monitoring and troubleshooting activities. In the physical network, depending on where the analyzer or debug tool is placed in the network, network administrators choose different port mirroring options. The following are some of the standard port mirroring options available on physical switches Reference:<http://blogs.vmware.com/vsphere/2012/06/how-to-use-port-mirroring-feature-ofvds-for-monitoring-virtual-machine-traffic.html>

QUESTION 6

Which two features of vSphere 6.x help address scalability challenges in a data center? (Choose two.)

- A. Big Data Extensions
- B. Content Library
- C. Long Distance vMotion
- D. Hot Add



Correct Answer: AC

QUESTION 7

Which storage feature allows common management across storage tiers and dynamic storage classes in the Software-Defined Data Center?

- A. VMware Certificate Authority
- B. NFS
- C. Platform Services Controller
- D. Storage Policy-Based Management

Correct Answer: D

Explanation: Storage-Policy Based Management

Allows common management across storage tiers and dynamic storage class of service automation via a policy-driven control plane.

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

QUESTION 8

Virtual Volumes virtualize-Storage Area Network and Network Attached Storage devices into logical pools of capacity. What are these pools of capacity known as?

- A. Virtual SAN Datastores
- B. NFS
- C. VMFS Datastores
- D. iSCSI

Correct Answer: A

QUESTION 9

Which vSphere 6.x storage service provides array-based operations at the virtual disk level?

- A. Local storage
- B. Virtual Volumes
- C. Virtual SAN
- D. Datastores



Correct Answer: B

Explanation: vSphere Virtual Volumes simplifies the delivery of storage service levels to applications by providing administrators with finer control of storage resources and data services at the VM level that can be dynamically adjusted in real time. Reference: <http://blogs.vmware.com/storage/2015/02/02/vsphere-virtual-volumes/>

QUESTION 10

What is the network virtualization platform used by a vSphere 6.x Software-Defined Data Center?

- A. SRM
- B. vSphere Monitoring
- C. VMFS
- D. NSX

Correct Answer: D

Explanation: VMware NSX is the network virtualization platform for the Software-Defined Data Center (SDDC). Reference: <http://www.vmware.com/products/nsx>

QUESTION 11

A network administrator wants reduce the network clutter in his infrastructure and decides to use virtual switches. How can virtual switches help reduce network clutter?

- A. By troubleshooting and resolving all the network issues.
- B. By reducing the number of physical machines.
- C. By reducing the number of physical network cables plugged into hosts.
- D. By reducing the virtual network traffic.

Correct Answer: C

Explanation:

vSphere supports two main categories of virtual switches. It supports the standard switch and the distributed switch. Both switches help you reduce network clutter by reducing the number of physical network cables plugged into your ESXi

hosts.

Reference: http://webpages.uncc.edu/~smcleo12/teaching_portfolio_sterling_mcleod.pdf

QUESTION 12



Which two statements about virtual switches in vSphere 6.x virtual networking are true? (Choose two)

- A. Monitors metadata about communications that occur in a network.
- B. Creates isolated networks for testing and development.
- C. Attaches virtual machines to the physical network.
- D. Performs load balancing.

Correct Answer: CD

Reference: <https://www.virtualbox.org/manual/ch06.html>

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