Vendor:VMware

Exam Code:VCAD510

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

Version: Demo

QUESTION 1

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 2

You are planning to deploy a new VMware environment. The team leader of the networking team has requested the ability to monitor virtual machine traffic in order to maintain the physical network more efficiently. Which option provides this capability?

A. Create a distributed port group and configure port mirroring

B. Create a standard port group and use Cisco Discover Protocol (CDP)

C. Create a standard port group and use Link Layer Discovery Protocol (LLDP)

D. Create a distributed port group and use Network I/O Control (NIOC)

Correct Answer: A

Reference: http://blogs.vmware.com/vsphere/2013/01/vsphere-5-1- vds-feature-enhancements-portmirroring-part-1.html

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QUESTION 3

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

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QUESTION 4

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/

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QUESTION 5

Your company is very cyclical in nature, with periods of very high demand and periods of very low demand. You\\'ve heard that Distributed Power Management (DPM) may be helpful in saving money. What function does DPM perform?

A. Suspends idle VMs.

B. Moves VMs onto fewer servers during periods of low demand, shutting the others off and waking them up when load increases.

C. Reduces or raises clock speeds of the CPU to optimize energy usage.

D. Reduces or raises clock speeds of memory to optimize energy usage.

Correct Answer: B

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

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QUESTION 6

You are the VMware architect for Mason Public Library. This customer deployed a VMware environment several years ago, in the form of 3 stand-alone servers, each with 6 600GB internal SAS drives. The environment has been working well, but they are concerned about the ability to access their virtual machines in the event of a failure to one of their servers. They do not have the additional budget for a new shared storage array. Which of the following is a recommended option to help them achieve higher availability?

A. Power off each virtual machine and copy them to a single server

B. Deploy vCenter Server and deploy the vSphere Storage Appliance

C. Use Storage vMotion to move all of the VMs to a single server

D. Configure CPU affinity to increase CPU access for each virtual machine

Correct Answer: B

Reference: http://www.esaamembers.com/app/webroot/marketing_docs/VMware-vSphere- Storage-Appliance-Datasheet.pdf

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QUESTION 7

You have been receiving complaints that the mail server has been slow. You investigate and determine that a print server in the same storage location is using much of the bandwidth to the storage array. Which

feature will allow you to increase the priority of the mail server so that it meets the SLA defined for it?

A. Storage I/O Control (SIOC)

B. Storage vMotion

C. Distributed Resource Scheduler (DRS)

D. vSphere Data Protection

Correct Answer: A

Reference: http://searchvirtualstorage.techtarget.com/tip/vSphere-Storage-I-O-Control-What-it-does- andhow-to-configure-it

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QUESTION 8

Your company is planning to migrate your datacenter to a new location, but they wish to minimize downtime during the transition. You are entirely virtualized at your primary datacenter, and have been given funding to acquire new hardware for the new datacenter. Which of the following products can help you migrate the VMs to the new datacenter?

A. vCenter Operations Manager

B. vCenter Configuration Manager

C. vCenter Site Recovery Manager

D. vCenter Converter

Correct Answer: C

http://www.vmware.com/products/site-recovery-manager/

QUESTION 9

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 10

What is a scalability challenge that vSphere can address?

A. Virtual machines require less administration

B. Servers can be overclocked to provide extra processing speed

C. CPUs and Memory can be added to servers without an outage

D. Virtual networks have more capacity than physical networks

Correct Answer: C

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

QUESTION 11

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

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QUESTION 12

Which two features require shared storage? (Choose two.)

A. VMware Data Protection

B. vSphere Replication (VR)

C. High Availability (HA)

D. Distributed Power Management (DPM)

Correct Answer: CD

Reference: http://searchvmware.techtarget.com/answer/When-using-HA-or-DRS-you-need-an- ESXistorage-safety-net