



**Vendor: VMWare**

**Exam Code: VCP-410**

**Exam Name: VMware Certified Professional VCP-410**

### QUESTION 1

An administrator plans to install additional supported components on an ESX 4.x host that would increase the memory requirements for the Service Console. Which of the following is true about performing this installation (Choose Two)?

- A. The memory for the ESX host would need to be adjusted using the CLI, no reboot is required.
- B. The vmkcore partition would need to be increased to support the additional memory requirements.
- C. requirements.
- D. The memory for the host would need to be adjusted using the vSphere Client or the CLI, and
- E. the ESX host would need to be restarted.
- F. The swap partition would need to be increased to support the additional memory requirements.

**Answer:** CD

### QUESTION 2

What are two reasons why a company would choose to use VMware ESXi instead of using VMware Server 2 (Choose Two)?

- A. The company needs the ability to run dual-processor virtual machines
- B. The company wants to be able to patch the servers hosting their virtual machines with zero virtual machine downtime
- C. The company is virtualizing several physical servers and wants a centralized management option
- D. The company needs to access their virtual machines remotely and VMware Server 2 does not support a remote console option

**Answer:** BC

### QUESTION 3

When an explicit failover order has not been configured on a virtual switch with multiple uplinks, what determines which uplink is used when a failover event occurs?

- A. The reported uptime for the surviving uplinks
- B. The next available uplink on the list
- C. The first available uplink that reports a positive Link State
- D. The uplink with the shortest route

**Answer: A**

#### **QUESTION 4**

When using the Explicit Failover option for a virtual switch with multiple uplinks, ESX determines the uplink to use in a failover event by:

- A. using beacon probing to discover which uplink has the shortest route
- B. using the reported uptime to determine which uplink to select
- C. using link state tracking to see which uplinks are connected
- D. a specified list

**Answer: D**

#### **QUESTION 5**

Which of the following describes the functionality of traffic shaping on a vNetwork Distributed Switch?

- A. vNetwork Distributed Switches support Egress Traffic Shaping only
- B. vNetwork Distributed Switches support both Ingress and Egress Traffic Shaping
- C. vNetwork Distributed Switches support Best-Effort Traffic Shaping based on Quality of Service (QoS)
- D. vNetwork Distributed Switches support Ingress Traffic Shaping only

**Answer: B**

#### **QUESTION 6**

What are two functions of zoning in Fibre Channel Switches (Choose Two)?

- A. Controls and isolates LUNs on a Fibre Channel Storage Array
- B. Prevents non-ESX Hosts from possibly destroying VMFS data
- C. Restrict connections on a storage array to ESXi hosts that utilize the array
- D. Reduces the number of targets and LUNs presented by a Fibre Channel Storage Array

**Answer:** BC

### **QUESTION 7**

An administrator is configuring an ESXi host with 2 Fibre Channel HBAs. The attached FC Storage Array has two active Storage Processor ports. No zoning is configured. Using Round Robin multipathing, how many paths are used to send data to a VMFS Datastore at any given time?

- A. 2
- B. 4
- C. 1
- D. 3

**Answer:** C

### **QUESTION 8**

When writes from a virtual machine are delivered to a Fibre Channel Storage Array, which of the following actions is taken by the VMkernel (Choose Two)?

- A. The I/O request is converted from binary data form to optical form
- B. The request for blocks on the virtual disk is mapped to blocks on the appropriate physical device
- C. The modified I/O request is sent from the physical HBA to the device driver
- D. The file corresponding to the virtual machine is located on the VMFS datastore

**Answer:** BD

### **QUESTION 9**

An administrator is installing a vCenter Server to manage 10 ESX hosts and 100 virtual machines. Approximately how much additional space is required to increase the statistic collection level to maximum for all collection periods compared to a standard installation?

- A. 1GB
- B. 4GB
- C. 6GB
- D. 2GB

**Answer: C**

#### **QUESTION 10**

Guided consolidation shows you the following information after a successful analysis (Choose Two):

- A. Storage Utilization
- B. Memory Usage
- C. Physical Computer Host Name
- D. Recommended ESX Host

**Answer: BC**

#### **QUESTION 11**

An administrator is creating a VM that will be running Windows 2008 Enterprise (64-bit). The application to be installed in the VM requires 8 vCPUs to run effectively. During installation, the only available options are 1, 2, 3 or 4 vCPUs. Which of the following explains the available vCPU selections?

- A. The ESX Host has 2 AMD dual-core CPUs
- B. 8 vCPU support is only available for 32-bit guest OS VMs
- C. The Virtual Machine Version is 7
- D. The ESX Host has 2 Intel dual-core CPUs

**Answer: A**

### QUESTION 12

Windows VM's use a page file and Linux VM's use a swap partition for virtual memory. When determining the appropriate size for these, which of the following files would be affected?

- A. the .vmdk file
- B. the Service Console swap partition
- C. the .vswp file
- D. the -flat.vmdk file

**Answer:** D

### QUESTION 13

An administrator is configuring a VMware HA Cluster for three hosts and their resident VMs. The HA cluster will be configured to support a single host failure and resource reservations must be enforced during a failover event. Assuming default settings, how does HA determine the failover capacity determined?

- A. Using an average of the total CPU Reservation and Memory Reservation values of all virtual machines in the cluster
- B. Using the highest CPU Reservation and the Available Memory values for any given virtual machine in the cluster
- C. Using an average of the total CPU Reservation and Available Memory values of all virtual machines in the cluster
- D. Using the highest CPU Reservation and Memory Reservation values of any given virtual machine in the cluster

**Answer:** D

### QUESTION 14

A developer wishes to disable logging for a number of virtual machines used for testing purposes, in order to maximize available datastore space. The virtual machines reside on an ESX Host managed by vCenter Server. Which of the following methods can be used to disable virtual machine logging?

- A. From the Configuration tab for the ESX Host running the virtual machines, choose Advanced Settings. Set the Disable Logging parameter to Yes
- B. Edit the settings for each virtual machine. Under Options > Advanced > General, uncheck Enable Logging
- C. Manually edit each virtual machines .vmx file and set logging=false
- D. Connect a vSphere Client to vCenter Server. Under the Administration drop-down, check Disable Virtual Machine Logging

**Answer: B**

### **QUESTION 15**

What is a function of the vmmemctl driver?

- A. reclaims unused memory from the guest OS
- B. allows the operation of unsupported guest OS types
- C. enables transparent page sharing
- D. enables swapping of the virtual machines

**Answer: A**

### **QUESTION 16**

Which pre-defined vCenter Server role can perform tasks on ESX/ESXi host objects?

- A. Datastore Consumer
- B. Datacenter Administrator
- C. Administrator
- D. Resource Pool Administrator

**Answer: C**

### **QUESTION 17**

An administrator is migrating a virtual machine in a DRS cluster. The migration fails the Validation Check due to a CPU incompatibility issue. Which of the following steps can be

taken to resolve the issue (Choose Two)?

- A. Configure EVC for the DRS cluster.
- B. Identify the CPU feature incompatibility, then disable the feature in the BIOS of the affected ESX/ESXi hosts.
- C. Configure EVC for each ESX/ESXi host.
- D. Identify the CPU feature incompatibility, then mask the feature on all virtual machines in the cluster.

**Answer:** AD

### **QUESTION 18**

Using the vSphere Client from a remote PC, an administrator needs to connect to a Virtual Machine and burn a DVD. Which of the following is true about this scenario?

- A. The remote client device can be used. The VM must be configured for Client Device and Passthrough IDE mode.
- B. The Host device must be used. The VM must be configured for Host Device and Passthrough IDE mode.
- C. The remote client device can be used. The VM must be configured for Client Device and Emulate IDE mode.
- D. The Host device must be used. The VM must be configured for Host Device and Emulate IDE mode.

**Answer:** A

### **QUESTION 19**

Which of the following objects can be updated using vCenter Update Manager (Choose Three)?

- A. Windows, Linux and Solaris Virtual Machines
- B. Templates
- C. VCB Images
- D. ESX and ESXi Hosts
- E. Virtual Appliances

**Answer:** BDE

### **QUESTION 20**

With vSphere 4.x, which of the following operations are possible when working with Virtual Machine disks (Choose Three)?

- A. A virtual disk can be inflated from a thin-provisioned virtual disk to thick-provisioned but only while the Virtual Machine is powered off
- B. A virtual disk can be converted from thick-provisioned to thin-provisioned while the Virtual Machine is powered on but only through the use of Storage vMotion
- C. A single Virtual Machine can use both thick-provisioned and thin-provisioned virtual disks
- D. A single Virtual Machine cannot use both thick-provisioned and thin-provisioned virtual disks
- E. A virtual disk can be inflated from a thin-provisioned virtual disk to thick-provisioned while the Virtual Machine is powered on

**Answer:** ABC

### **QUESTION 21**

Which of the following explains why backups of ESX 3.x VMs created with VMware Data Recovery take longer than backups of ESX 4.x VMs?

- A. VMware Data Recovery uses data deduplication technology with ESX 4.x VMs, but not with ESX 3.x VMs

- B. VMware Data Recovery uses the VMware vStorage APIs with ESX 4.x VMs, but not with ESX 3.x VMs
- C. VMware Data Recovery uses Microsoft's Volume Shadow Copy Service (VSS) with ESX 4.x VMs, but not with ESX 3.x VMs
- D. VMware Data Recovery uses changed block tracking functionality with ESX 4.x VMs, but not with ESX 3.x VMs

**Answer: D**