

# VMware VCP-410

## **VMware Certified Professional on VSphere 4** Version: 20.0

**Topic 1, Volume A****QUESTION NO: 1**

An administrator is installing ESX 4.x on a physical server. Which of the following components would need to be modified or replaced to support a successful installation?

- A. 2 AMD Opteron CPUs
- B. SATA disk controller
- C. 1GB RAM
- D. 4 Intel PRO 1000 Network Adapters

**Answer: C**

**Explanation:**

**QUESTION NO: 2**

Which of the following storage resources are created only during an ESX 4.x installation (Choose Two)?

- A. vmkcore
- B. swap
- C. VMFS datastore
- D. scratch

**Answer: A,B**

**Explanation:**

**QUESTION NO: 3**

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. The memory for the host would need to be adjusted using the vSphere Client or the CLI, and the ESX host would need to be restarted.
- D. The swap partition would need to be increased to support the additional memory requirements.

**Answer: C,D**

**Explanation:**

**QUESTION NO: 4**

Which of the following tasks can be selected from the home page of an ESXi host (Choose Three)?

- A. Browse Datastores in the inventory of this Host
- B. View vSphere 4 Documentation
- C. Download VMware vCenter Server
- D. Download VMware Web Access Client
- E. Browse Virtual Machines in the inventory of this Host

**Answer: A,B,C**

**Explanation:**

**QUESTION NO: 5**

An administrator is configuring a single SAN volume that will provide VMFS and vmkcore partitions for 10 ESX 4.x hosts that will boot from SAN. What is the minimum size the vmkcore partition should be on this volume to support 10 hosts?

- A. vmkcore partitions must be stored on local storage
- B. 1GB
- C. 2GB
- D. 500MB

**Answer: B**

**Explanation:**

**QUESTION NO: 6**

Which of the following are valid locations for the Service Console file system when performing an ESX 4.x installation (Choose Two)?

- A. In a virtual disk placed in a shared VMFS datastore
- B. In a virtual disk placed in a VMFS datastore on a SAN disk masked only to the ESX host

- C. In an ext3 file system on local storage
- D. In a virtual disk placed in a VMFS datastore on local storage

**Answer: B,D**

**Explanation:**

#### **QUESTION NO: 7**

The default swap partition size for ESXi 4.x is which of the following?

- A. 544MB
- B. 4GB
- C. 600MB
- D. 1.6GB

**Answer: B**

**Explanation:**

#### **QUESTION NO: 8**

What is the maximum number of cores per socket that can be used with Advanced licensing?

- A. 6
- B. 12
- C. 16
- D. 8

**Answer: B**

**Explanation:**

#### **QUESTION NO: 9**

When installing vCenter Server 4.x, where are licenses maintained (Choose Two)?

- A. On the ESXi host
- B. Within the License Server
- C. In the vCenter Server Database
- D. In a license file on the vCenter Server machine

**Answer: A,C**

**Explanation:**

**QUESTION NO: 10**

Which of the following features is not a part of the vSphere Advanced Edition?

- A. VMware High Availability
- B. VMware Fault Tolerance
- C. VMware DRS
- D. VMware vShield Zones

**Answer: C**

**Explanation:**

**QUESTION NO: 11**

What are the minimum vSphere Small Business and Medium/Enterprise Editions that include VMware High Availability (Choose Two)?

- A. vSphere Advanced
- B. vSphere Essentials Plus
- C. vSphere Standard
- D. vSphere Essentials

**Answer: B,C**

**Explanation:**

**QUESTION NO: 12**

Which of the following functions can be performed remotely and do not require access to the ESXi Direct Console (Choose Two)?

- A. Configure a Static IP Address
- B. Configure DNS Settings
- C. Restart Management Agents
- D. Test the Management Network

**Answer: A,B**

**Explanation:**

**QUESTION NO: 13**

After upgrading an ESX host to vSphere 4.x from VI3, which of the following three actions should be taken (Choose Three)?

- A. Configure the ESX firewall
- B. Configure licensing
- C. Configure ESX host networking
- D. Update any scripts that reference host sd devices
- E. Reconnect managed hosts to VMware vCenter

**Answer: B,D,E**

**Explanation:**

**QUESTION NO: 14**

An administrator is upgrading an ESX 3.5 host. The host has a single Intel Xeon processor, 4GB of RAM and a local VMFS datastore on a masked, SAN-attached LUN. Which of the following could cause the upgrade to be unsuccessful?

- A. The ESX host has 4GB RAM.
- B. The existing VMFS datastore resides on a SAN-attached LUN.
- C. The existing VMFS datastore has 6GB of free space.
- D. The ESX host has 1 processor.

**Answer: C**

**Explanation:**

**QUESTION NO: 15**

The ESX 4.x Service Console Virtual Disk contains which partitions by default (Choose Three)?

- A. /var/log
- B. /
- C. vmkcore

- D. swap
- E. /boot

**Answer: A,B,D**

**Explanation:**

#### **QUESTION NO: 16**

Before you upgrade an ESX host, which of the following actions should be taken (Choose Three)?

- A. back up necessary files from /etc
- B. back up the local VMFS file system
- C. back up necessary files from /var/log
- D. run the vicfg-backup command to backup the host configuration
- E. back up any custom scripts

**Answer: A,B,E**

**Explanation:**

#### **QUESTION NO: 17**

An administrator is performing an upgrade on an ESXi host. Which of the following steps can be used to backup the host before the upgrade is performed?

- A. Log on to the ESXi host directly and run esxcfg-backup -s backupfile to save the ESXi host configuration.
- B. Use the ESXi Direct Console and select the Host Backup option.
- C. Using the vSphere Client, attach to the ESXi host and choose the Backup option from the Configuration Tab.
- D. Use the vCLI and run vicfg-cfgbackup -s backupfileto save the ESXi host configuration.

**Answer: D**

**Explanation:**

#### **QUESTION NO: 18**

When using the Host Update Utility to upgrade an ESXi 4.x host, first (Choose Three):

- A. download the ESXi4.x .zip file and save it to the vCenter Server
- B. run the VMware CPU Identification Utility
- C. download the ESXi4.x .zip file and save it to the Windows computer running the Host Update Utility
- D. run the vSphere 4 Pre-Upgrade Script from the command line
- E. use the vSphere Client to place the host into maintenance mode

**Answer: B,C,E**

**Explanation:**

#### QUESTION NO: 19

An administrator is performing upgrades to ESX 4.0 from existing ESX 3.x and ESX 2.x hosts. Which of the following is true about this procedure?

- A. A direct, in-place upgrade can be performed only on ESX 3.0 and later Hosts
- B. A direct, in-place upgrade can be performed only on ESX 2.5 and later Hosts
- C. ESX 3.x and later Hosts can be upgraded, but the upgrade cannot be performed in-place
- D. A direct, in-place upgrade can be performed only on ESX 3.5 and later Hosts

**Answer: A**

**Explanation:**

#### QUESTION NO: 20

When updating an ESX 4.x Host, the vihostupdate utility is capable of upgrading which of the following components (Choose Two)?

- A. Virtual Machine hardware
- B. VMware Tools
- C. VMkernel
- D. Service Console

**Answer: C,D**

**Explanation:**

#### QUESTION NO: 21

Which of the following cannot be upgraded by vCenter Update Manager?



- A. Virtual Machine Hardware
- B. VMware Tools
- C. Service Console
- D. VMFS File System

**Answer: D**

**Explanation:**

#### **QUESTION NO: 22**

The ESX 4.x Service Console Virtual Disk can be located on (Choose Two):

- A. a VMFS datastore on locally attached storage
- B. a VMFS datastore on masked iSCSI attached storage
- C. an NFS datastore
- D. a VMFS datastore on FC shared storage

**Answer: A,B**

**Explanation:**

#### **QUESTION NO: 23**

ESX Service Console user authentication (Choose Two):

- A. requires local accounts
- B. can use a central directory service for password checking only
- C. controls vCenter authentication for vSphere Client users
- D. requires users to change their passwords every 6 months by default

**Answer: A,B**

**Explanation:**

#### **QUESTION NO: 24**

Installing additional software in the ESX Service Console is supported in which of the following instances?

- A. for enhanced virus protection

- B. for hardware management support
- C. for improved utilization of the ESX host resources
- D. for graphical desktop access for administrative purposes

**Answer: B**

**Explanation:**

#### **QUESTION NO: 25**

The VMkernel is secured using which of the following techniques (Choose Two)?

- A. Binary Translation
- B. Memory Hardening
- C. Kernel Module Integrity
- D. Service Console Firewall

**Answer: B,C**

**Explanation:**

#### **QUESTION NO: 26**

When securing an ESX 4.x host using the built-in firewall, the Startup Policy controls how services start based on the state of the ports they use. Which of the following are valid startup policies (Choose Two)?

- A. Start and stop with host
- B. Start automatically, opening any closed ports used by this service
- C. Start and stop automatically
- D. Start automatically if any ports are open, and stop when all ports are closed

**Answer: A,D**

**Explanation:**

#### **QUESTION NO: 27**

An administrator needs to be able to define the size of the VMFS partition during installation. Which of the following installation types support this capability?