



VCP-310
VMware Certified Professional on VI3.5

Exam number/code: VCP-310
Exam name: VMware Certified Professional on VI3.5
Questions & Answers: 439 Q&A
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Exam: VCP-310 Certification Questions & Answers

Question 1:

The security subsystem of VirtualCenter 1 has been significantly redesigned, and VirtualCenter 2 now features over 110 privileges applicable to ___ objects and 8 standard roles. In fact, there are thirteen privileges dedicated to provisioning virtual machines.

- A. 100
- B. 13
- C. 110
- D. 8

Answer: B

Explanation:

The security subsystem of VirtualCenter 1 has been significantly redesigned, and VirtualCenter 2 now features over 110 privileges applicable to 13 objects and 8 standard roles. In fact, there are thirteen privileges dedicated to provisioning virtual machines.

Question 2:

VMkernel controls and manages most of the physical resources on the hardware, including:

- A. RAM
- B. Memory
- C. Disk Space
- D. Physical processors
- E. Storage controllers
- F. Networking
- G. Keyboard, video, and mouse
- H. iSCSI

Answer: B,D,E,F,G

Explanation:

VMkernel controls and manages most of the physical resources on the hardware, including:

- Memory
- Physical processors
- Storage controllers
- Networking
- Keyboard, video, and mouse

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Question 3:

When installing ESX Server 3.x, which partition is required to store core dumps for debugging and for VMware technical support?

- A. vmkcore
- B. vmkdump
- C. vmfscore
- D. vmimages

Answer: A

Explanation:

Installation & Upgrade Guide\ Datastore Partitioning : Required Partitions An ESX Server local boot volume requires three specific partitions for operation. In addition, a local or remote VMFS partition is required to store your virtual machines, and a vmkcore partition is required to provide core dumps for technical support.

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Question 4:

What is the maximum number extents of a VMFS3 volume?

- A. 32
- B. 128
- C. 64
- D. 256

Answer: A

Question 5:

What is required for VirtualCenter to run inside a virtual machine (VM)?

- A. Virtual SMP license for the host running the VM
- B. The virtual machine virtual disk file must reside on a SAN
- C. 1000MHz CPU Reservation for the VM
- D. 2 GB physical RAM available to the VM

Answer: D

Question 6:

What are two characteristics of VMware Consolidated Backup? (Choose Two.)

- A. Image-level backups of virtual machines can be performed
- B. LAN-free backups of virtual machines can be performed
- C. File-level backups of Windows and Linux virtual machines can be performed
- D. A plugin integrates the VCB UI into VirtualCenter

Answer: A,B

Question 7:

Virtual Machines can be converted into OVF files from which of the following VMware products (Choose Three)?

- A. VMware Workstation 6.x
- B. VMware Fusion 1.x
- C. VMware Server 2.x
- D. VMware ESX Server 3.5
- E. VMware Player 2.x

Answer: A,C,D

Explanation:

You can not convert a VM to OVF using VMware Fusion. There currently is no support for that function on within Fusion. ESX 3.5 will allow you to export a VM to OVF format by

File\VirtualAppliance\Export

Question 8:

All NAS and iSCSI servers need to be either reachable by the default gateway or on same broadcast domain as the associated vSwitches.

- A. True
- B. False

Answer: A

Explanation:

All NAS and iSCSI servers need to be either reachable by the default gateway or on same broadcast domain as the associated vSwitches.

Question 9:

An ESX Administrator is troubleshooting an ESX Server and needs to export diagnostic information. The ESX Server is not connected to VirtualCenter. How can the information be gathered using the VI Client?

- A. From the Administration Drop-Down Menu, select Export Diagnostic Data, select a location and click OK.
- B. Click the Administration Button, select System Logs, then click the Export Events button. Select the ESX Server and click OK.
- C. Click, File, Export and Export Diagnostic Data, select a location and click OK.
- D. The VI Client can only be used to export diagnostic data from an ESX Server attached to VirtualCenter.

Answer: C

Question 10:

Using resource pools can result in the following benefits:

- A. Rigid hierarchical organization
- B. Flexible hierarchical organization
- C. Limited Access control and delegation
- D. Isolation between pools, sharing within pools
- E. Access control and delegation
- F. Separation of resources from hardware
- G. Integration of resources from hardware
- H. Management of sets of virtual machines running a multi-tier service

Answer: B,D,E,F,H

Explanation:

Using resource pools can result in the following benefits:

- Flexible hierarchical organization. You can add, remove, or reorganize resource pools or change resource allocations as needed.
- Isolation between pools, sharing within pools . Top-level administrators can make a pool of resources available to a department-level administrator. Allocation changes that are internal to one departmental resource pool do not unfairly affect other unrelated resource pools.
- Access control and delegation. When a top-level administrator makes a resource pool available to a department-level administrator, that administrator can then perform all virtual machine creation and management within the boundaries of the resources to which the resource pool is entitled by the current shares, reservation, and limit settings. Delegation is usually done in conjunction with permissions

settings, which are discussed in the Introduction to Virtual Infrastructure.

- Separation of resources from hardware. If you are using clusters enabled for DRS, the resources of all hosts are always assigned to the cluster. That means administrators can perform resource management independently of the actual hosts that contribute the resources. If you replace three 2GB hosts with two 3GB hosts, you don't need to make changes to your resource allocations. This separation allows administrators to think more about aggregate computing capacity and less about individual hosts.

- Management of sets of virtual machines running a multi-tier service. You don't need to set resources on each virtual machine. Instead, you can control the aggregate allocation of resources to the set of virtual machines by changing settings on their enclosing resource pool.

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Question 11:

TestKing.com wants to install Application Y in a virtualized environment. The underlying OS has to be Windows 2003 SP1. In a physical environment, the application and supporting software have very strict minimum hardware requirements.

Which requirement(s) would prohibit the use of this application inside a virtual machine?

- A. a minimum of 4 available SCSI adapters
- B. 4 CPUs and 4.5 GB RAM
- C. 3 NICs and 3 SCSI adapters
- D. a minimum disk size of 2 TB

Answer: C

Question 12:

Which of the following products are part of the VMware Infrastructure 3 software suite?

- A. VMware Update Manager
- B. VMware Site Recovery Manager
- C. VMware Distributed Resource Scheduler
- D. VMware Virtual Desktop Manager

Answer: A,C

Question 13:

What must a system administrator do to enable monitoring of a VM heartbeat with supported third-party SNMP monitoring tools?

- A. purchase a VMware-aware version of the SNMP monitoring tool
- B. import VMware MIBs
- C. purchase a separate SNMP license from VMware
- D. installvmware-tools

Answer: B

Question 14:

Plugins allow access to external applications. To enable a plugin, which of the following steps must have already been completed?

- A. The plugin must be selected when VirtualCenter is installed
- B. The plugin must be downloaded and installed
- C. The plugin must be installed using Add/Remove programs on the VirtualCenter Server
- D. The client component of the application to be used by the plugin must be installed

Answer: B

Question 15:

You can VMotion between compatible hosts from two different datacenters, if managed by the same VirtualCenter?

- A. True
- B. False

Answer: B

Explanation:

Because of the namespace property, VMotion is permitted between any two compatible hosts within a datacenter, but even powered off virtual machines cannot be moved between hosts in different datacenters. Moving an entire host between two datacenters is permitted.

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