VMWare VCP-310

VMware Certified Professional on VI3

203 Q&A

Version: V9.0

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1. Which of the following files are part of a typical virtual machine?

A. Virtual Disk File (.vmdk)

B. Configuration File (.vmx)

C. VMotion Transfer File (.vmt)

D. Hardware File (.svr)

E. BIOS File (.nvram)

Answer: ABE

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

A. VMware Virtual Desktop Manager

B. VMware Distributed Resource Scheduler

C. VMware Update Manager

D. VMware Site Recovery Manager

Answer: BC

3. A company decides to explore virtualization options for one of their departments. Their environment and requirements are:

(1) The users should be able to create their own virtual machines

(2) The users are running Windows XP on their desktops.

(3) Several virtual machines will be set up for each user and they should be able to run them all at the same time.

(4) The users will use the software to edit memory settings after the virtual machine is installed.

(5) Virtual machine performance and high availability are more important than keeping costs low.

(6) These machines WILL be run in production and WILL be used or managed remotely.

What is the correct solution based on these criteria?

A. give the users VMware VirtualCenter Client 2.x and grant them permission to create virtual machines on an ESX Server 3.x, with access to all necessary operating system ISOs

B. give the users VMware Workstation 6.x and all necessary operating system CDs or ISOs

C. give the users VMware Server 2.x and all necessary operating system CDs or ISOs

D. give the users VMware Player 2.x and all necessary operating system CDs or ISOs

Answer: A

4. Which of the following is a benefit of ESX Server 3i over ESX Server?

A. Increased Security and Reliability

B. Memory Overcommitment

C. Improved Fault Isolation

D. Dynamic Resource Allocation

Answer: A

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5. How does ESX Server 3.x differ from VMware Server?

A. ESX Server 3.x supports 64-bit guest operating systems and VMware Server 2.x does not.

B. ESX Server 3.x supports VMware VirtualCenter and VMware Server 2.x does not.

C. ESX Server 3.x supports Intel Virtualization Technology (VT) and VMware Server 2.x does not.

D. ESX Server 3.x supports 4 processor Virtual SMP and VMware Server 2.x does not.

Answer: D

6. How does VMware Server 2 differ from ESX Server 3.5?

A. VMware Server 2 supports legacy operating systems and ESX Server 3.5 does not.

B. VMware Server 2 enhances software development and testing and ESX Server 3.5 does not.

C. VMware Server 2 runs on a Linux host and ESX Server 3.5 does not.

D. VMware Server 2 supports up to 128 GB of RAM and ESX Server 3.5 does not.

Answer: C

7. How does ESX Server 3.5 differ from VMware Server 2?

A. ESX Server 3.5 supports virtual machine clusters on the host server and VMware Server 2 does not.

B. ESX Server 3.5 accesses SAN storage and VMware Server 2 does not.

C. ESX Server 3.5 supports up to 128 GB of RAM and VMware Server 2 does not.

D. ESX Server 3.5 deploys a virtual machine from a template and VMware Server 2 does not.

Answer: D

8. What are two reasons why a company would choose to use ESX Server 3.x instead of using VMware Server 2? (Choose Two)

A. The company needs the ability to run dual-processor virtual machines.

B. VMware Server 2 does not support running virtual machines in a production environment.

C. The company wants the ability to use VMotion.

D. ESX Server 3.x offers better resource management and better performance.

Answer: CD

9. Which of the following are required for installing VMware Consolidated Backup? (Choose Two)

A. the server must be a physical machine

B. the operating system must be Windows

C. the server can be a physical or a virtual machine

D. the operating system can be Windows or Linux

Answer: BC

10. Which statement is true about VCB proxy?

A. It must be set to assign Windows drive letters to prevent data corruption.

B. It must be set to prevent assignment of Windows drive letters to prevent data corruption.

C. When running under Linux, it has no concept of Windows drive letter mappings.

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D. It assigns Windows drive letters to Raw Device Mapped LUNs that are assigned to Windows virtual machines.

Answer: B

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

A. LAN-free backups of virtual machines can be performed

B. A plugin integrates the VCB UI into VirtualCenter

C. Image-level backups of virtual machines can be performed

D. File-level backups of Windows and Linux virtual machines can be performed

Answer: AC

12. What is the advantage of installing backup client software in a Linux virtual machine's guest OS?

A. This configuration enables immediate booting from a restored virtual machine.

B. This configuration enables LAN-free backup.

C. This configuration enables ESX Server to do backup and restore operations.

D. This configuration enables individual files to be selected for backup or restore.

Answer: D

13. What are two advantages of VCB over conventional agent-based methods of backing up a virtual machine's (VM's) data? (Choose Two)

A. helps to eliminate the need for a backup window by using an online, snapshot-based backup

B. makes it possible to do both file-based and full-system backup of the same VM simultaneously

C. enables LAN-free backup and avoids undue overloading of the datacenter network

D. allows selection of files and directories from the guest file system of any VM

Answer: AC

14. For a cluster with two ESX hosts, one using Intel processors and other using AMD processors, which of the following statements is true? (Choose Two)

A. VMotion can move live VMs from one host to another

B. VMware DRS can load balance live VMs among hosts

C. Storage VMotion can move a virtual machine disk file from one storage device to another

D. VMware HA can failover VMS from one host to another in case of a host failure

Answer: CD

15. In configuring a VMware HA Cluster the System Administrator can configure Admission Control. There are two options: Do not power on Virtual Machines if they violate availability constraints, or Allow Virtual Machines to be powered on even if they violate availability constraints. If the System Administrator chooses the option "Do not power on Virtual Machines if they violate availability constraints" then which of the following apply? (Choose Two)

A. VMware HA enforces the failover capacity defined for the cluster.

B. Only Virtual Machines with a high restart priority will be restarted on surviving ESX hosts.

C. VMware HA restarts VM's on surviving host with the most unreserved capacity.

D. Virtual Machines running on failed ESX hosts will not be restarted on surviving ESX hosts.

Answer: AC

16. Which of the following situations will result in VMware HA restarting virtual machines? (Choose Two)

A. An ESX Server in the cluster becomes isolated from the network.

B. A guest OS is manually powered off.

C. A guest OS fails.

D. An ESX Server in the cluster is put into Maintenance mode.

Answer: AC

17. Which of the following conditions can prevent a virtual machine (VM) that is part of a VMware HA cluster from being powered on? (Choose Two)

A. Guaranteed admission control cannot allocate sufficient CPU reservation for the VM.

B. The VM has been configured with a virtual disk on local storage.

C. Strict admission control is configured and insufficient resources are available for the VM.

D. There is a mismatch in CPU capabilities between one or more HA cluster nodes.

Answer: BC

18. An ESX Administrator is configuring a VMware High Availability Cluster for three hosts and their resident VMs. The HA cluster will be configured to support a single host failure and resource considerations must be enforced during a failover event. To accomplish this task:

A. Each host in the cluster must be able to accommodate the VM with the highest CPU limit value

B. There must be enough cluster resources based on memory and CPU reservations to account for any potential host failure

C. Each host in the cluster must be able to accommodate the VM with the largest configured available memory

D. All potential remaining hosts during a failure event must be able to accommodate the sum total of all VMs' available memory configurations

Answer: B

19. Which two conditions can cause a combined VMware DRS/HA cluster to change to a red status? (Choose Two)

A. The current failover capacity is smaller than the configured capacity.

B. All the primary hosts in the cluster are not responding.

C. A DRS-only host has been added to an HA cluster.

D. DRS is in the process of balancing resources among hosts in the cluster when an HA event occurs.

Answer: AB

20. Which of the following are requirements for a VMware HA cluster? (Choose Two)

A. a private Ethernet network for all hosts

B. access to shared storage from all hosts

C. access to the virtual machine networks from all hosts

D. identical type and quantity of CPUs in each host

Answer: BC

21. VirtualCenter Server is running within a virtual machine (VM) that is part of a VMware HA and DRS cluster. The VirtualCenter VM can migrate between all hosts in the cluster by using VMotion. DRS is configured for partial automation.

What happens if the ESX host that is currently running the VirtualCenter VM experiences a power outage?

A. All DRS cluster operations will be unavailable until the ESX host is brought back online.

B. VirtualCenter will stay offline, but all virtual machines on the remaining hosts will continue without interruption.

C. VMware HA will restart the VirtualCenter VM on another host.

D. This situation cannot occur because VirtualCenter cannot be installed on a VMware HA cluster.

Answer: C

22. Which of the following is a key feature of VMware High Availability services?

A. HA can take the place of other cluster software, like Microsoft Cluster Services (MSCS)

B. HA can automatically restart failed ESX Servers

C. HA can VMotion Virtual Machines to surviving ESX Servers

D. HA can automatically restart Virtual Machines from a failed ESX Server

Answer: D

23. How many LUNs does ESX Server 3.x support access to during the initial installation process?

A. 128

B. 64

C. 32

D. 256

Answer: A

24. ESX 3.5 Server supports access to how many fibre channel LUNs after the initial installation process?

A. 256

B. 128

C. 64

D. 32

Answer: A

25. A company plans to implement an ESX 3.x / VirtualCenter 2.x infrastructure that includes the following:

(1) Three ESX Server host machines with four physical dual-core processors

(2) The ability to migrate running virtual machines (VMs) between these hosts without taking them offline

(3) Multiple processor support for certain applications

What licensing is necessary to support these requirements?

A. 1 VirtualCenter Server license, a 12-processor VMotion license, and a 12-processor ESX Server license

B. 1 VirtualCenter Server license, 1 VMotion license, and an ESX Server license for each virtual processor for each running VM

C. 3 VirtualCenter Server licenses, 3 VMotion licenses, and 3 ESX Server licenses

D. 1 VirtualCenter Server license, a 24-processor VMotion license, and a 24-processor ESX Server license

Answer: A

26. Which three storage solutions are supported for the placement of a VMFS filesystem during the installation of the ESX Server? (Choose Three)

A. SCSI RAID

B. ATA RAID

C. SAN

D. ATA

E. SCSI

Answer: ACE

27. During the installation of ESX Server, you decide to define the partitioning scheme manually.

What are two recommended minimum partition sizes? (Choose Two)

A. swap = 544 MB

B. /boot = 512 MB

C. / = 5 GB

D. /usr = 2048 MB

Answer: AC

28. During the installation of ESX Server, you decide to manually define the partitioning scheme. Which of the following are recommended minimum partition sizes? (Choose Two)

A. / = 1024 MB

B. swap = 544 MB

C. /boot = 100 MB

D. /usr = 2048 MB

Answer: BC

29. The maximum number of hosts in a VMware HA cluster is:

A. 24

B. 16

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C. 8

D. 32

Answer: D

30. When planning an ESX Server deployment, which of the following accurately describes the maximum configuration for the physical server?

A. 32 CPU cores and 128GB of memory per physical server

B. 32 CPU cores and 256GB of memory per physical server

C. 64 CPU cores and 256GB of memory per physical server

D. 16 CPU cores and 128GB of memory per physical server

Answer: B

31. A company wants to increase disk capacity for their ESX Server environment. Management mandates that:

(1) VMotion must work in this environment

(2) the existing LAN infrastructure must be used

(3) the storage must support VMFS volumes

Which storage option would best meet the company's objective?

A. NFS

B. iSCSI

C. Fibre Channel

D. SMB

Answer: B

32. Which of the following can be used to configure an ESX 3 server with a hardware iSCSI initiator?

A. Intel E1000 nic

B. Intel E100 nic

C. QLogic QLA4050 card

D. Brocade 2110 card

Answer: C

33. Which three statements are true about shared storage capabilities on NFS volumes supported by ESX Server? (Choose Three)

A. You can configure ESX Server to boot from NFS mounted volumes.

B. You can create virtual machines on NFS mounted volumes.

C. You can use VMotion.

D. You can create VMFS datastores on NFS mounted volumes.

E. You can boot virtual machines stored on NFS mounted volumes.

Answer: BCE

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34. What is the maximum number of extents for a VMFS3 volume?

A. 32

B. 128

C. 256

D. 64

Answer: A

35. An ESX Administrator plans to install additional supported components on the ESX Server that would increase the memory requirements for the Service Console. Which ESX Server partition would also need to be increased during installation as a result?

A. /

B. /boot

C. vmfs3

D. swap

Answer: D

36. Which of the following tasks can be selected from an ESX Server's home page?(Choose Three)

A. Download VMware Virtual Desktop Manager

B. Log in to Web Access

C. Download VMware VirtualCenter Server

D. Browse Datastores in this host's inventory

E. Browse Virtual Machines in this host's inventory

Answer: BCD

37. 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. Click, File, Export and Export Diagnostic Data, select a location and click OK.

B. The VI Client can only be used to export diagnostic data from an ESX Server attached to VirtualCenter.

C. From the Administration Drop-Down Menu, select Export Diagnostic Data, select a location and click OK.

D. Click the Administration Button, select System Logs, then click the Export Events button. Select the ESX Server and click OK.

Answer: A

38. The remote console performance for a virtual machine on an ESX Server appears to be degraded. Which of the following could be a possible cause of the problem?

A. The physical NIC assigned to the virtual machine port group containing the affected virtual machine has a speed or duplex mismatch.

B. To conserve memory, the ESX Server has initiated Transparent Page Sharing.

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