VMware

Exam VCI510

VMware Certified Professional 5 - Data Center Virtualization for Instructors

Version: 7.0

[Total Questions: 322]

Topic 1, Plan, Install, Configure and Upgrade vCenter Server and VMware ESXi

Question No : 1 - (Topic 1)

Which VMware solution uses the security of a vSphere implementation and provides linked-clone technology to virtual desktops?

A. VMware ACE
B. VMware View
C. VMware Workstation
D. VMware ThinApp

Answer: B
Reference: http://www.vmware.com/files/pdf/VMware-View-4-Composer-DS-EN.pdf (page 1, last paragraph)

Question No : 2 - (Topic 1)

An administrator has recently upgraded their Update Manager infrastructure to vSphere 5.x. Several hosts and virtual machines have not been upgraded yet.

Which vSphere component when upgraded will have the least impact to the existing environment?

A. Virtual Machine Hardware
B. ESX Hosts
C. VMFS datastores
D. VMware Tools

Answer: D
Explanation:
VMware Tools isn't a single application but a set of drivers, services and user processes that's installed in a guest operating system. They add a wide assortment of functionality to VMware infrastructures -- everything from improving color depth and video resolution in the vSphere Client to memory optimization.

Typically, an outdated version of VMware Tools doesn't have an immediate impact. But with every update to vSphere, you'll likely have to update VMware Tools on every virtual

machine.

Question No : 3 - (Topic 1)

An administrator is using Update Manager 5.x to update virtual appliances in a vSphere environment. The environment is using the vCenter Server Virtual Appliance (vCSA).

What would cause the remediation to fail?

A. Updating of the appliance can only be done if the vCenter Server Virtual Appliance (vCSA) has been put into Maintenance Mode.
B. Remediation must be configured on the Appliance Administration page before use.
C. Remediation of the vCenter Server Virtual Appliance (vCSA) with Update Manager is not supported.
D. Remediation requires the hosts to be connected to vCenter using an IPv4 address.

Answer: D

Explanation:
Update Manager 5.0 does not support virtual machine patch baselines. If a host is connected to vCenter Server by using an IPv6 address, you cannot scan and remediate virtual machines and virtual appliances that run on the host.

Question No : 4 - (Topic 1)

An administrator is working to update the hosts and virtual machines in a vSphere 5.x deployment using Update Manager Baselines.

Other than host patches, which three items require a separate procedure or process to update? (Choose three.)

A. Operating system patches
B. Virtual Appliance updates
C. Virtual Machine Virtual Hardware upgrades
D. VMware Tools on machines without VMware Tools already installed
E. Application patches within the virtual machine

Answer: A,D,E

Explanation:

Operating system patches are related to operating system so they need a separate procedure altogether. Same is the case with VMware tools and applications patches because applications are stand alone pieces of code that need separate procedure to apply a patch.

Question No : 5 - (Topic 1)

A series of Auto Deploy ESXi 5.x hosts, which utilize vSphere Standard Switches, are unable to boot. In prior testing, all of the hosts were able to boot successfully.

Which two conditions might cause this issue? (Choose two.)

A. The Hosts are unable to connect to the SAN.
B. The TFTP server is down.
C. The DNS server is down.
D. The DHCP server is down.

Answer: B,D

Explanation:

If the TFTP server is down, ESXi will not boot because it needs TFTP to get the information. Similarly, when DHCP is down, it will not assign the IP addresses and ESXi needs IP address to boot properly.

Question No : 6 - (Topic 1)

An administrator wants to monitor the health status of an ESXi 5.x host. However, when the administrator clicks the Hardware Status tab the following error is displayed.

This program cannot display the webpage

What might cause this problem?

A. The VMware VirtualCenter Management Webservices Service is not started.
B. The required plug-in is not enabled.
C. The VMware ESXi Management Webservices Service is not started

D. The name of the vCenter Server system could not be resolved.

Answer: A

Explanation:

Verify that the VMware VirtualCenter Management Webservices service is running on the vCenter Server system. Navigate to the vCenter Server system in the inventory and select Monitor > Service Health. The page displays the following message if the VMware VirtualCenter Management Webservices service is not started.

Could not get vCenter Health status

If you see this error message, start the VMware VirtualCenter Management Webservices service.

Question No : 7 - (Topic 1)

An administrator would like to have vCenter take action any time a virtual machine is using over 90% of its available resources for five minutes or longer.

Which three actions can be taken by vCenter Server in response to the trigger without running a script? (Choose three.)

A. Power on a VM
B. Reboot Guest on VM
C. Increase Virtual Machine Memory
D. Migrate a VM
E. Increase Virtual Machine CPU Shares

Answer: A,B,D

Explanation:

Power on a VM, reboot guest and Migrate a VM will be the actions taken by vCenter Server in response to a trigger without needing a script.

Question No : 8 - (Topic 1)

An administrator has purchased a new 10GB Converged Network Adapter (CNA) for

---

installation in a system that is running ESXi 5.x. The administrator has downloaded the latest driver from the hardware vendor and wants to include the driver in an image. The image profile acceptance level is set to VMwareSupported. The acceptance level of the driver is VMwareSupported.

Which two statements are true about the inclusion of this driver in the image? (Choose two.)

A. Support calls for the driver will be directed to the partner.
B. The image can be built, but the driver will not be included in the image.
C. The image can be built and the driver will be included.
D. Support calls for the driver will be handled by VMware.

Answer: A,C

Explanation:

The acceptance level of all VIBs on a host must be at least as high as the host acceptance level. For example, if the host acceptance level is VMware Accepted, you can install VIBs with acceptance levels of VMware Certified and VMware Accepted, but you cannot install VIBs with acceptance levels of Partner Supported or Community Supported. To install a VIB with a less restrictive acceptance level than that of the host, you can change the acceptance level of the host by using the vSphere Client or by running esxcli software acceptance commands.

Setting host acceptance levels is a best practice that allows you to specify which VIBs can be installed on a host and used with an image profile, and the level of support you can expect for a VIB. For example, a Community Supported VIB might not be recommended for an ESXi server in a production environment.

http://pubs.vmware.com/vsphere-50/index.jsp?topic=%2Fcom.vmware.vsphere.upgrade.doc_50%2FGUID-27BBBAB8-01EA-4238-8140-1C3C3EFC0AA6.html

Question No : 9 - (Topic 1)

What are the three service offerings provided by a VMware-powered public cloud? (Choose three.)

A. Committed
B. Transient
C. Dedicated
D. Highly Elastic

E. Basic

Answer: A,C,E

Reference: http://www.vmware.com/files/pdf/cloud/VMware-ServiceDef-Public-Cloud-11Q1-White-Paper.pdf (page 6, see service offerings)

Question No : 10 - (Topic 1)

An administrator has been tasked with upgrading an existing host from ESX 4.1 to ESXi 5.x. The existing host has only vSwitch0 with all the default settings.

The upgraded host will have the following new requirements.

1. 116 virtual machines will be connected.

2. Four uplinks configured for port-based load balancing.

3. The switch will include a secondary heartbeat network for HA.

Which two statements are true about this configuration? (Choose two.)

A. The Service Console Port will be removed during the upgrade
B. The configuration requires only one VMkernel Port
C. The default vSwitch0 is sufficient for this configuration
D. A change to vSwitch0 Properties is required

Answer: A,D

Explanation:

VMware has removed the service console port group with the release of vSphere 5. You can execute the same command, which you used to do on vSphere 4 service console using vMA, CLI and PowerCLI.

Question No : 11 - (Topic 1)

When would a license server be configured for vCenter Server 5.x?

A. When managing ESX 3.x servers

B. When the vCenter Server Virtual Appliance (vCSA) is used

C. Within the first 60 days

D. A standalone license server is installed by default

Answer: A

Reference:

http://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC

&externalId=1010704

Question No : 12 - (Topic 1)

What two Advanced IP Allocation Schemes are available? (Choose two.)

A. Fixed

B. DHCP

C. OVF Environment

D. Transient

Answer: B,C

Reference: http://www.vmwarehub.com/Edit-vApp-settings.html

Question No : 13 - (Topic 1)

A company is planning an upgrade from vSphere 4.x to vSphere 5. They currently have three dual CPU servers licensed for ESXi 4.1 Advanced

Each server has 256GB of RAM installed.

Their virtual machines are sized three ways.

Light. 1v CPU, 4GB RAM

Medium. 2v CPU, 8GB RAM

Heavy. 4 vCPU, 12GB RAM

The Production workload consists of.

20 Light servers

20 Medium servers

2 Heavy servers

The Development workload consists of.

10 Light servers

10 Medium servers

How will vSphere 5 licensing impact their upgrade? (Choose two.)

A. They will need to purchase additional ESXi licenses.
B. They will be able to reduce their power consumption.
C. They will be restricted from powering on additional virtual machines.
D. A license upgrade will be needed to add vCPUs to the Heavy servers.

Answer: B,C
Reference: http://www.gabesvirtualworld.com/vsphere-5-licensing-with-vram-isn%E2%80%99t-that-bad-at-all/

Question No : 14 - (Topic 1)

What is a benefit of vCenter Linked-Mode?

A. Allows the vCenter Server Virtual Appliance (vCSA) to manage multiple sites
B. Pools vRAM entitlement
C. Increases vCenter security
D. Increases vCenter reliability

Answer: B
Reference: http://pubs.vmware.com/vsphere-50/index.jsp?topic=%2Fcom.vmware.vsphere.vcenterhost.doc_50%2FGUID-EC40636E-0DD4-4A17-B163-5CFBDC31666C.html

Question No : 15 - (Topic 1)

What virtual machine action listed below can be performed on a template?

A. Power on
B. Clone
C. Edit Settings
D. Migrate

Answer: B

Reference: http://robertparten.com/vmware-difference-between-clone-and-template/

Question No : 16 - (Topic 1)

Which functions can be performed with the Plug-in Manager? (Choose two.)

A. Enable an installed plug-in
B. Remove permissions for a plug-in
C. View the status of installed plug-ins
D. Uninstall a plug-in

Answer: A,C

Reference: http://www.kumatech.ca/download/docs/110_6081-EN_R3_HIT_VE_Installation_Guide_web.pdf (page 13)

Question No : 17 - (Topic 1)

An administrator plans to deploy ESXi 5.x, but does not want to use CD or DVD media.

What are two alternate ways to provide the ESXi 5.x installation script to the host? (Choose two.)

A. PXE
B. FTP
C. HTTP
D. IPMI

Answer: B,C

Explanation: