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**Exam** : **VCP-510**

**Title** : VMware Certified  
Professional on VSphere 5

**Vendors** : VMware

**Version** : DEMO

NO.1 The storage administrator has recommended testing the performance benefits of jumbo frames and enabled jumbo frames on the storage array. The VMware administrator has enabled jumbo frames on the VMkernel port used for the software iSCSI initiator.

What other two components must be modified to enable jumbo frames support for the software iSCSI initiator? (Choose two.)

- A. The physical switch
- B. The port group
- C. The software initiator
- D. The virtual switch

**Answer:** A,D

NO.2 Which vSwitch or vSwitch port group policy setting allows packets to be received by a virtual machine with different destination MAC addresses than the configured MAC address?

- A. Promiscuous mode
- B. Traffic shaping
- C. Forged transmits
- D. MAC address changes

**Answer:** D

NO.3 An administrator finds that an ESXi host cannot be managed by vCenter Server. Which logs can be reviewed using the DCUI? (Choose three.)

- A. Syslog
- B. Config log
- C. Virtual Center Agent
- D. ESXi shell logs
- E. VMware HA log

**Answer:** A,B,C

NO.4 An administrator plans to deploy ESXi 5.x on a blade server containing no local disks. What boot options are supported for use in place of local disks? (Choose three.)

- A. An SD card
- B. A NIC with iBFT
- C. Auto Deploy
- D. A server with IPMI or iLO
- E. A dedicated NFS share

**Answer:** A,B,C

NO.5 When cloning a virtual machine to a template, what two attributes from the list below can be changed for the destination virtual disk? (Choose two.)

- A. Virtual disk format
- B. Number of network adapters
- C. IP Address
- D. Location for virtual machine files

**Answer:** A,D

NO.6 What happens to the total number of shares available to the children of a resource pool if a virtual machine is powered off inside the resource pool?

- A. It remains the same
- B. It decreases
- C. It increases
- D. It remains the same only if a custom share value was configured

**Answer:** B

NO.7 Where are IP addresses for a vSphere Storage Appliance (VSA) cluster managed?

- A. On each VSA appliance using a web-based portal
- B. On the VSA Manager tab for the cluster hosting VSA
- C. On the VSA Manager appliance using a web-based portal
- D. On the vCenter server installed on a VSA host

**Answer:** B

NO.8 vCenter reports a connectivity problem with a ESXi 5.x host that is not a member of a cluster. An administrator attempts to connect directly to the host using the vSphere Client but fails with the message "An unknown connection error occurred." Virtual machines running on the host appear to be running and report no problem.

What two methods would likely resolve the issue without affecting the virtual machines? (Choose two.)

- A. Enter the service mgmt-vmware restart command from either SSH or local CLI
- B. Select Restart Management Agents in the Direct Console User Interface (DCUI)
- C. Select Reboot Host in the Direct Console User Interface (DCUI)
- D. Enter the services.sh restart command from either SSH or the local CLI

**Answer:** B,D

NO.9 Which three requirements must be met in order to use Storage I/O Control? (Choose three.)

- A. The datastore must contain multiple VMFS extents.
- B. The datastore must contain a single NFS volume.
- C. The datastore must not include virtual machines with snapshots.
- D. The datastore must be managed by a single vCenter Server.
- E. Array-based automated storage tiering must be explicitly certified.

**Answer:** B,D,E

Explanation:

Extents are only a single extent - not multiples. Also, because NFS is not VMFS it does not use extents. You grow the NFS from the actual NAS appliance itself with extents.

## Storage I/O Control Requirements

Storage I/O Control has several requirements and limitations.

- Datastores that are Storage I/O Control-enabled must be managed by a single vCenter Server system.
- Storage I/O Control is supported on Fibre Channel-connected, iSCSI-connected, and NFS-connected storage. Raw Device Mapping (RDM) is not supported.
- Storage I/O Control does not support datastores with multiple extents.
- Before using Storage I/O Control on datastores that are backed by arrays with automated storage tiering capabilities, check the *VMware Storage/SAN Compatibility Guide* to verify whether your automated tiered storage array has been certified to be compatible with Storage I/O Control.

NO.10 Which option could be used for vSphere HA heartbeats?

- A. An iSCSI LUN used for booting the master ESXi host.
- B. An iSCSI LUN backing an RDM connected over 10GB Ethernet
- C. An NFS datastore shared with the all hosts, sync, no\_root\_squash and read only options
- D. A Fibre Channel LUN on an 8GB active/active array backing a VMFS5 datastore

**Answer:** D

NO.11 Assuming that ballooning is possible, under which three circumstances might the VMkernel use a swap file for a running virtual machine? (Choose three.)

- A. The Mem.CtlMaxPercent value is between 10 and 25 percent.
- B. Memory cannot be reclaimed quickly enough.
- C. The virtual machine is starting up.
- D. VMware Tools is not installed.
- E. 50% of the configured memory has already been ballooned.

**Answer:** A,B,E

Explanation:

C: Wrong: When the machine is starting up the Ballooning driver hasn't loaded yet.D: Wrong: When VMware tools is not installed Ballooning isn't possible

NO.12 ACME Tools has a vSphere 5.x deployment with an older iSCSI storage array. The administrator is considering adding an additional array which will include support for the vStorage APIs for Array Integration (VAAI).

Which two tasks would be completed in a reduced period of time if the new array was added? (Choose two.)

- A. creating VMFS datastores on the new array
- B. creating fault tolerant virtual machines on the new array
- C. migrating virtual machines using Storage vMotion between the arrays
- D. writes to thin provisioned virtual disks on the new array

**Answer:** B,D

NO.13 Which two components can be installed in monitored virtual machines to trigger vSphere HA Application Monitoring? (Choose two.)

- A. A custom script utilizing the appmonitor executable
- B. The vSphere Fault Tolerant agent
- C. Third-party utilities such as Neverfail or ApplicationHA
- D. The vSphere HA application agent

**Answer:** A,C

NO.14 When planning for an upgrade from vSphere4 to vSphere5 what will be the effect of upgrading a 1TB VMFS3 datastore with a 2MB block size to VMFS5?

- A. Thick virtual disks can be expanded to a maximum of 2TB.
- B. Thick virtual disks can be expanded to a maximum of 512GB.
- C. Thin virtual disks can be expanded to a maximum of 512GB.
- D. Thin virtual disks can be expanded to a maximum of 2TB.

**Answer:** D

NO.15 An ESXi 5.x host displays a warning icon in the vSphere console and its summary page lists a configuration issue "SSH for the host has been enabled." What are two ways to clear this warning? (Choose two.)

- A. Using the Security Profile pane of the Configuration tab in the vSphere Client
- B. Using the Direct Console User Interface (DCUI)
- C. Using the Advanced Settings pane of the Configuration tab in the vSphere Client
- D. Using the Networking pane of the Configuration tab in the vSphere Client

**Answer:** A,B

NO.16 If you create a custom role and do not assign privileges what system-defined privileges are added? (Choose two.)

- A. System.Anonymous
- B. System.Read
- C. System.Write
- D. System.Administrator

**Answer:** A,B

NO.17 Which three Storage I/O Control conditions might trigger the Non-VI workload detected on the datastore alarm? (Choose three.)

- A. The datastore is connected to an ESX/ESXi 4.0 host that does not support Storage I/O Control.
- B. The datastore is on an array that is performing system tasks such as replication.
- C. The datastore is utilizing active/passive multipathing or NMP (Native Multi-Pathing).
- D. The datastore is storing virtual machines with one or more snapshots.
- E. The datastore is connected to an ESX/ESXi 4.0 host that is not managed by vCenter.

**Answer:** A,B,E

Explanation:

[http://kb.vmware.com/selfservice/microsites/search.do?language=en\\_US&cmd=displayKC&externalId=1020651](http://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=1020651)

[http://pubs.vmware.com/vsphere-50/topic/com.vmware.vsphere.troubleshooting.doc\\_50/GUID38F95285-DB4F-462F-AFD7-0F4D812B085F.html](http://pubs.vmware.com/vsphere-50/topic/com.vmware.vsphere.troubleshooting.doc_50/GUID38F95285-DB4F-462F-AFD7-0F4D812B085F.html)

NO.18 Which three files are valid virtual machine files that might be identified when examining a folder that contains a virtual machine template on a VMFS datastore? (Choose three.)

- A. RDM map file (-rdm.vmdk)
- B. BIOS settings file (.bios)
- C. Template file (.vmtx)
- D. Lock file (.lck)
- E. Suspended state file (.vmsn)

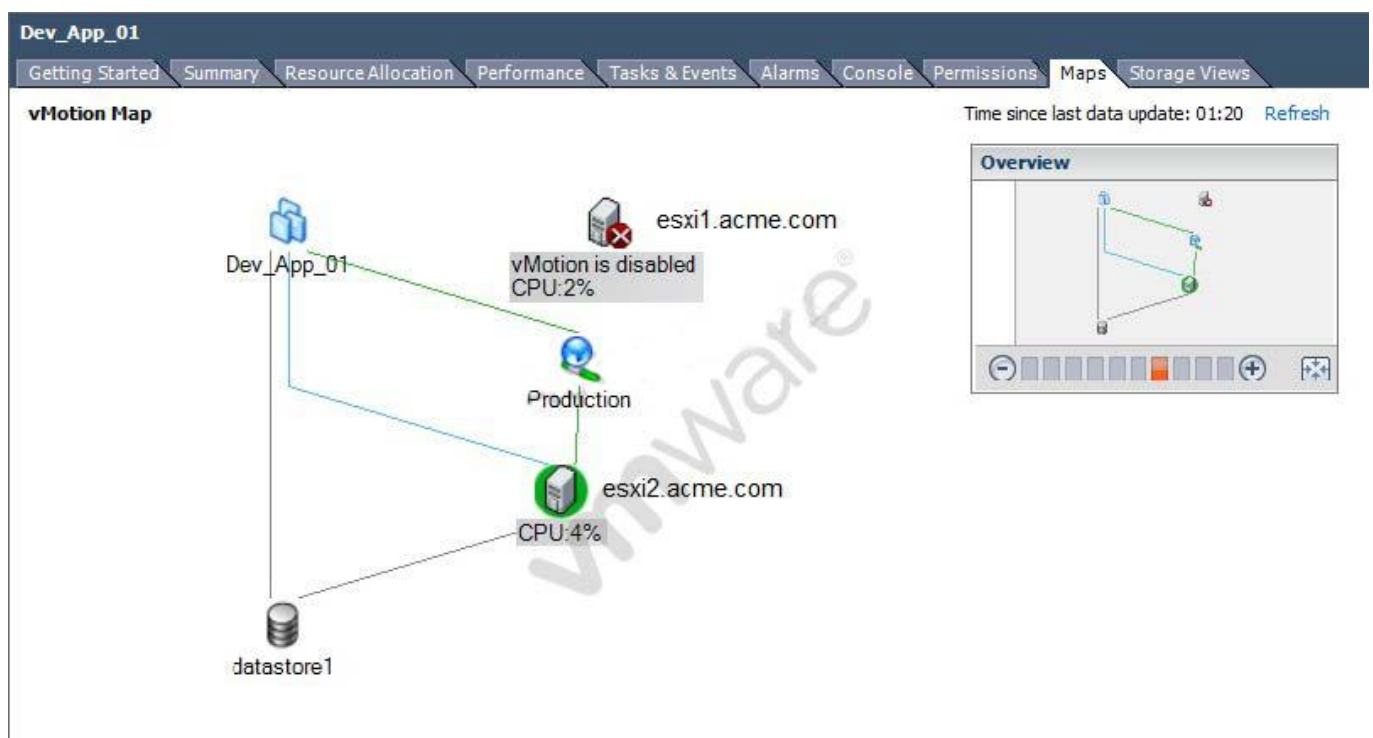
**Answer:** A,C,E

NO.19 While building a VMware View environment one of the design requirements is keeping vCenter and View Composer always available. Which solution can be utilized to achieve this?

- A. vCenter Server Heartbeat
- B. vSphere HA
- C. vSphere FT
- D. Host Based Replication

**Answer:** A

NO.20 Click the Exhibit button.



Based on the exhibit, what is the appropriate action to set a preferred path?

- A. Paths cannot be set to preferred on this array.
- B. Right-click the path you want to prefer and then select Preferred.
- C. Right-click the path you want to prefer then select Active.
- D. Double-click the new path you wish to prefer. The other existing paths will be set to Standby.

**Answer:** A