



VCP5-DCV^{Q&As}

VMware Certified Professional 5 – Data Center Virtualization
(VCP5-DCV) Exam

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**QUESTION 1**

A company has converted several physical machines to virtual machines but are seeing significant performance issues on the converted machines. The host is configured with sufficient memory and storage does not appear to be a bottleneck. Which metric can be checked to determine if CPU contention exists on an ESXi 5.x host?

- A. %RUN
- B. %WAIT
- C. %USED
- D. %RDY

Correct Answer: D

QUESTION 2

vCenter Server is running in a virtual machine that is part of a vSphere DRS cluster. The vCenter Server virtual machine has been tested and can successfully migrate with vMotion between all ESXi hosts in the cluster. DRS is configured for partial automation.

What happens if an ESXi 5.x host that is running the vCenter Server virtual machine experiences a power outage?

- A. All DRS cluster operations will be unavailable until the failed ESXi host is brought back online.
- B. vCenter Server will remain offline, but all virtual machines on the remaining hosts will continue without interruption.
- C. This situation cannot occur, because vCenter Server cannot be installed on a virtual machine in a vSphere DRS cluster.
- D. vSphere will restart the vCenter Server virtual machine on another host.

Correct Answer: B

Since the VM is part of vSphere DRS cluster and it is configured for partial automation, vCenter server will remain offline, but the virtual machines on the remaining hosts will continue without any interruption.

QUESTION 3

An administrator needs to prevent two virtual machines from running on the same host at any time.

Which DRS rule should the administrator apply?

- A. vm-to-vm affinity
- B. vm-to-host affinity
- C. vm-to-vm anti-affinity
- D. vm-to-host anti-affinity



Correct Answer: C

QUESTION 4

An administrator needs to provide a report that will help managers better understand how all of their virtual machines are sized.

Which report within vCenter Operations Manager should the administrator provide?

- A. Undersized Virtual Machines Report
- B. Configured Host or Cluster Capacity Report
- C. Virtual Machine Capacity Overview Report
- D. Virtual Machine Optimization Report

Correct Answer: D

QUESTION 5

The load is high on a HA/DRS cluster. DPM is enabled. A vSphere administrator determines that hosts are NOT powering on automatically to support the load. Which configuration would result in this condition?

- A. VM-to-VM or VM-to-Host DRS rules have been configured that restrict where some VMs can be moved.
- B. DPM has been set to the most Conservative threshold.
- C. Some of the virtual machines have been removed from HA consideration by the vSphere administrator.
- D. DRS is set to Manual Automation.

Correct Answer: D

QUESTION 6

Which statement is true regarding the licensing of vCenter Server?

- A. The license for vCenter Server must be provided at the time of installation.
- B. Changing the license assigned to vCenter Server requires a restart of the vCenter Server service.
- C. Virtual machines can still be powered on if the vCenter Server license expires.
- D. Licensing for a single vCenter Server installation is determined by the number of managed virtual machines.

Correct Answer: C

QUESTION 7



An administrator is upgrading an ESXi 3.5 host to ESXi 5.x with an intermediate upgrade to 4.0 using Update Manager. The host has a single Intel Xeon processor, 4GB of RAM, and a VMFS datastore on a private, SAN-attached LUN. What might cause the upgrade to be unsuccessful?

- A. The ESXi host has 4GB RAM.
- B. The ESXi host has one processor.
- C. ESXi 3.5 is not supported for upgrade.
- D. Update Manager cannot upgrade a previously upgraded host.

Correct Answer: C

Reference:

http://pubs.vmware.com/vsphere-50/index.jsp?topic=%2Fcom.vmware.vsphere.upgrade.doc_50%2FGUID-AA106086-E10D-456E-B0B9-340D3D1462C3.html

QUESTION 8

An administrator using vCenter Operations Manager is viewing the health of an ESXi host in the environment. There have NOT been any reported outages or issues with the ESXi host, but the administrator needs to determine if the host is behaving normally. Which minor badge should the administrator investigate to determine this information?

- A. Faults
- B. Anomalies
- C. Stress
- D. Health

Correct Answer: B

QUESTION 9

Which two actions can be scheduled through the Scheduled Task wizard in the vSphere Client? (Choose two.)

- A. Remove a host.
- B. Change the VM power state.
- C. Create a virtual machine.
- D. Revert to a snapshot of a virtual machine.

Correct Answer: BC

Reference: <http://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.vcenterhost.doc%2FGUID-F9DC9B18-625E-4ACB-AA3A-17BEB109A206.html>

**QUESTION 10**

An administrator needs to deploy several virtual machines. Storage contention between the virtual machines should be managed by the VMkernel. Some of the virtual machines will use MSCS and should be highly available across the ESXi

5.5 hosts.

Which two storage options meet these requirements? (Choose two.)

- A. iSCSI
- B. NFS
- C. Fibre Channel
- D. vSAN

Correct Answer: AC

QUESTION 11

An administrator finds that vMotion and Storage vMotion operations do not succeed on a virtual machine. The virtual machine has been configured with N_Port ID Virtualization. The virtual machine has two data RDMS, one using a RAID5 LUN and one using a RAID0+1 LUN. The mapping file for the RAID5 LUN was created on the same datastore as the virtual machine, and the mapping file for the RAID0+1 LUN was placed in a datastore used for production data virtual disks.

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

- A. Storage vMotion cannot be used unless both mapping files are placed on the same datastore.
- B. vMotion cannot be used unless both mapping files are placed on the same datastore.
- C. vMotion cannot be used with RDMS.
- D. Storage vMotion cannot be used with NPIV.

Correct Answer: BD



NPIV Capabilities and Limitations

Learn about specific capabilities and limitations of the use of NPIV with ESXi.

ESX: with NPIV supports the following items:

- NPIV supports vMotion. When you use vMotion to migrate a virtual machine it retains the assigned WWN.

If you migrate an NPIV-enabled virtual machine to a host that does not support NPIV, VMkernel reverts to using a physical HBA to route the I/O.

- If your FC SAN environment supports concurrent I/O on the disks from an active-active array, the concurrent I/O to two different NPIV ports is also supported.

When you use ESXi with NPIV, the following limitations apply:

- Because the NPIV technology is an extension to the FC protocol, it requires an FC switch and does not work on the direct attached FC disks.
- When you clone a virtual machine or template with a WWN assigned to it, the clones do not retain the WWN.

- NPIV does not support storage vMotion.
- Disabling and then re-enabling the NPIV capability on an FC switch while virtual machines are running can cause an FC link to fail and I/O to stop.

QUESTION 12

What are three of the steps recalled patches automatically go through in vSphere Update Manager? (Choose three.)

- A. Hosts with recalled patches are placed maintenance mode.
- B. Hosts with recalled patches are remediated.
- C. The recalled patch binary is deleted from the repository.
- D. The recalled patch is flagged in the database.
- E. A notification is generated in the notification tab.

Correct Answer: CDE

Reference: <http://www.ipsure.com/blog/2012/vmware-vsphere-update-manager-vum-5-0-> (See the paragraph right after Figure 2) configuration-and-remediation-of-esxi-5-host/

**QUESTION 13**

Which information does the CPU Ready counter provide to a vSphere administrator?

- A. The virtual machine has requested CPU time, but the VMkernel cannot schedule the virtual CPU on a physical CPU.
- B. The virtual machine is idle, and the VMkernel has idle physical CPU cycles.
- C. The virtual machine has requested CPU time, and the VMkernel has idle physical CPU cycles.
- D. The virtual machine is idle, but the VMkernel cannot schedule the virtual CPU on a physical CPU.

Correct Answer: A

QUESTION 14

Which VMware solution allows for the automated discovery and mapping of applications running over the VM infrastructure?

- A. VMware vCloud Director
- B. VMware vCenter Infrastructure Navigator
- C. VMware Service Manager
- D. VMware vSphere 5

Correct Answer: B

Reference: <http://www.vmware.com/products/datacenter-virtualization/vcenter-infrastructure-navigator/features.html>

QUESTION 15

An administrator must determine which Update Manager procedures can be performed using the vSphere Web Client, and which must be completed using the Windows vSphere client. Which two tasks require the use of the Windows vSphere client? (Choose two.)

- A. Attach and detach baselines to inventory objects
- B. Scan inventory objects for compliance
- C. Create a baseline for an inventory object
- D. Stage a baseline for remediation

Correct Answer: CD