2V0-621 $^{Q\&As}$

VMware Certified Professional 6 – Data Center Virtualization

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QUESTION 1

An administrator has configured a cluster with the Host Failures Cluster Tolerates admission control policy, as shown in the Exhibit:
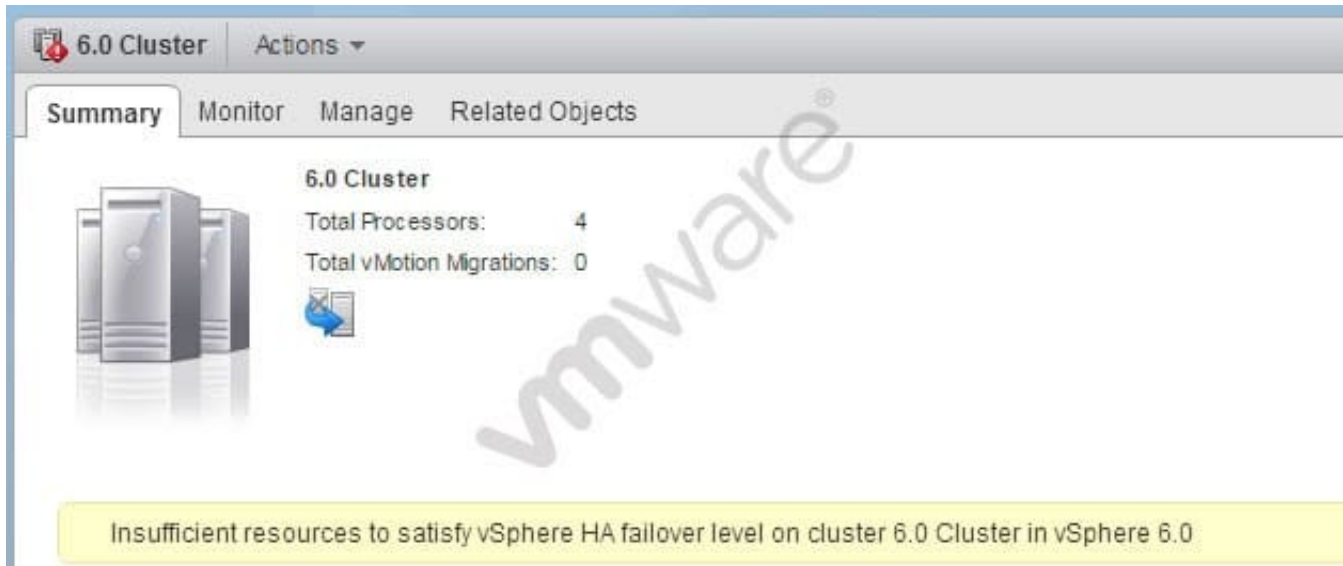

Based on the exhibit, which two statements are true? (Choose two.)

A. The cluster can sustain the loss of two nodes.

B. The number of slots per cluster node is four.

C. The number of slots per cluster node is three.

D. The cluster can sustain loss of only one node.

Correct Answer: CD

QUESTION 2

Refer to the Exhibit.

An administrator receives an error on a vSphere cluster as shown in the Exhibit.

Based on the exhibit, which three configuration changes can resolve the error? (Choose three.)

A. Change the Admission Control policy for the cluster.

B. Adjust CPU and Memory reservations of the virtual machines.

C. Increase the amount of failover resources in the cluster.

D. Reconfigure the ESXi host cluster for High Availability.

E. Disable Virtual Machine Monitoring.

Correct Answer: ABC

Explanation: A,BandC vSphere HA Admission Control vCenter Server uses admission control to ensure that sufficient resources are available in a cluster to provide failover protection and to ensure that virtual machine resource reservations are respected. Three types of admission control are available. Host Ensures that a host has sufficient resources to satisfy the reservations of all virtual machines running on it. Resource Pool Ensures that a resource pool has sufficient resources to satisfy the reservations, shares, and limits of all virtual machines associated with it. vSphere HA Ensures that sufficient resources in the cluster are reserved for virtual machine recovery in the event of host failure. Link: https://pubs.vmware.com/vsphere-60/index.jsp#com.vmware.vsphere.avail.doc_50/GUID-53F6938C96E5-4F67-9 A6E-479F5A894571.html

QUESTION 3

An administrator is upgrading vCenter Server and sees this error:

The DB User entered does not have the required permissions needed to install and configure vCenter Server with the selected DB. Please correct the following error(s): %s

Which two statements explain this error? (Choose two.)

A. The database is set to an unsupported compatibility mode.

B. The permissions for the database are incorrect.

C. The permissions for vCenter Server are incorrect.

D. The database server service has stopped.

Correct Answer: AB

Cause

This issue occurs when the vCenter Server instance being upgraded is connected to a SQL server which

was upgraded and the vCenter Server database compatibility level is not changed to match the SQL server

version.

Resolution

To resolve this issue, change the database compatibility level to match the SQL Servers level.

To change the database compatibility level:

Right-click the vCenter Server database and click Properties.

Click Options.

Change the compatibility level that matches the SQL server version.

Using the vSphere Command Line Interface (CLI), you can upgrade ESXi 5.x hosts to version 6.0.

For more information about upgrading ESXi 5.x hosts using esxcli commands, see the Upgrading Hosts by

Using esxcli Commands

Reference: https://kb.vmware.com/selfservice/microsites/search.do?

language=en_USandcmd=displayKCandexternalId=2006904

QUESTION 4

An administrator wants to prevent a priority virtual machine that resides in a vSphere DRS cluster from migrating to other hosts in the cluster.

What configuration step will accomplish this without affecting other virtual machines?

A. Set VM Overrides to Partially Automated.

B. Set VM Overrides to Manual.

C. Configure a VM/Host Rule with the setting Must run on hosts in group.

D. Configure a VM/Host Rule with the setting Should run on hosts in group.

Correct Answer: B

Option Manual

Description Placement and migration recommendations are displayed, but do not run until you manually apply the recommendation.

Reference: https://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.resmgmt.doc %2FGUID-E83A6B62-37F8-46D0-8D0A-D6A9181979F2.html

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QUESTION 5

An administrator is troubleshooting a CPU issue for a virtual machine. The following is seen in esxtop:

1.

CPU0 is at 100% usage

2.

The remaining logical CPUs are close to 0%

3.

%RDY value is consistently above 10%

What is likely the cause of the CPU issue?

A. The virtual machine has a CPU limit configured.

B. The virtual machine\\'s guest operating system is configured for SMP.

C. The virtual machine has CPU affinity configured.

D. The virtual machine is configured with a CPU reservation.

Correct Answer: C

Using CPU Affinity

By specifying a CPU affinity setting for each virtual machine, you can restrict the assignment of virtual

machines to a subset of the available processors in multiprocessor systems. By using this feature, you can

assign each virtual machine to processors in the specified affinity set.

CPU affinity specifies virtual machine-to-processor placement constraints and is different from the

relationship created by a VM-VM or VM-Host affinity rule, which specifies virtual machine-to-virtual

machine host placement constraints.

Reference:

https://pubs.vmware.com/vsphere-4-esx-vcenter/index.jsp?topic=/

com.vmware.vsphere.resourcemanagement.doc_41/managing_cpu_resources/c_using_cpu_affinity.html

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