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VMware Certified Professional 6 – Data Center Virtualization Delta

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QUESTION 1

An administrator is unable to upgrade a vCenter Server Appliance from version 5.1 Update 2 to version 6.0. What is a likely reason for this?

- A. vCenter Server Appliance 6.0 does not support upgrades from version 5.1 Update 2.
- B. vCenter Server Appliance must be joined to an Active Directory domain before upgrading to version 6.0.
- C. vCenter Server Appliance 5.1 Update 2 uses an incompatible database for upgrading to version 6.0.
- D. vCenter Server Appliance 6.0 must be upgraded using the vSphere Web Client.

Correct Answer: A

Reference: <http://pubs.vmware.com/vsphere-60/topic/com.vmware.vsphere.upgrade.doc/GUID-6A5C596D-103E-4024-9353-5569263EB427.html>

QUESTION 2

Where is a Virtual SAN Fault Domain configured?

- A. VMware Virtual SAN Cluster configuration
- B. VMware High Availability Cluster configuration
- C. Distributed Resource Scheduler configuration
- D. Datacenter Advanced Settings configuration

Correct Answer: A

If your Virtual SAN cluster spans across multiple racks or blade server chassis in a data center and you want to make sure that your hosts are protected against rack or chassis failure, you can create fault domains and add one or more hosts to it.

A fault domain consists of one or more Virtual SAN hosts grouped together according to their physical location in the data center. When configured, fault domains enable Virtual SAN to tolerate failures of entire physical rack as well as failures of a single host, capacity device, network link or a network switch dedicated to fault domains. Fault domains cannot be configured for stretched or metro clusters.

The number of failures your cluster can tolerate depends on the number of failures a virtual machine is provisioned to tolerate. For example, when a virtual machine is configured with Number of failures to tolerate=1 and using multiple fault domains, Virtual SAN can tolerate a single failure of any kind and of any component in a fault domain, including the failure of an entire rack. When you configure fault domains on a rack and provision a new virtual machine, Virtual SAN ensures that protection objects, such as replicas and witnesses are placed on different fault domains. If, for example, a virtual machine's storage policy is Number of failures to tolerate=n, Virtual SAN requires a minimum of $2*n+1$ fault domains in the cluster. When virtual machines are provisioned in a cluster with fault domains using this policy, the copies of the associated virtual machine objects are stored across separate racks.

Reference: <http://pubs.vmware.com/vsphere-60/index.jsp?topic=%2Fcom.vmware.vsphere.virtualsan.doc%2FGUID-8491C4B0-6F94-4023-8C7A-FD7B40D0368D.html>

QUESTION 3

An administrator needs to recover disk space on a previously-used thin provisioned virtual disk. The volumes where the administrator needs to recover the disk blocks are on VAAI- compliant storage arrays. Which two actions should the administrator take accomplish this task? (Choose two.)

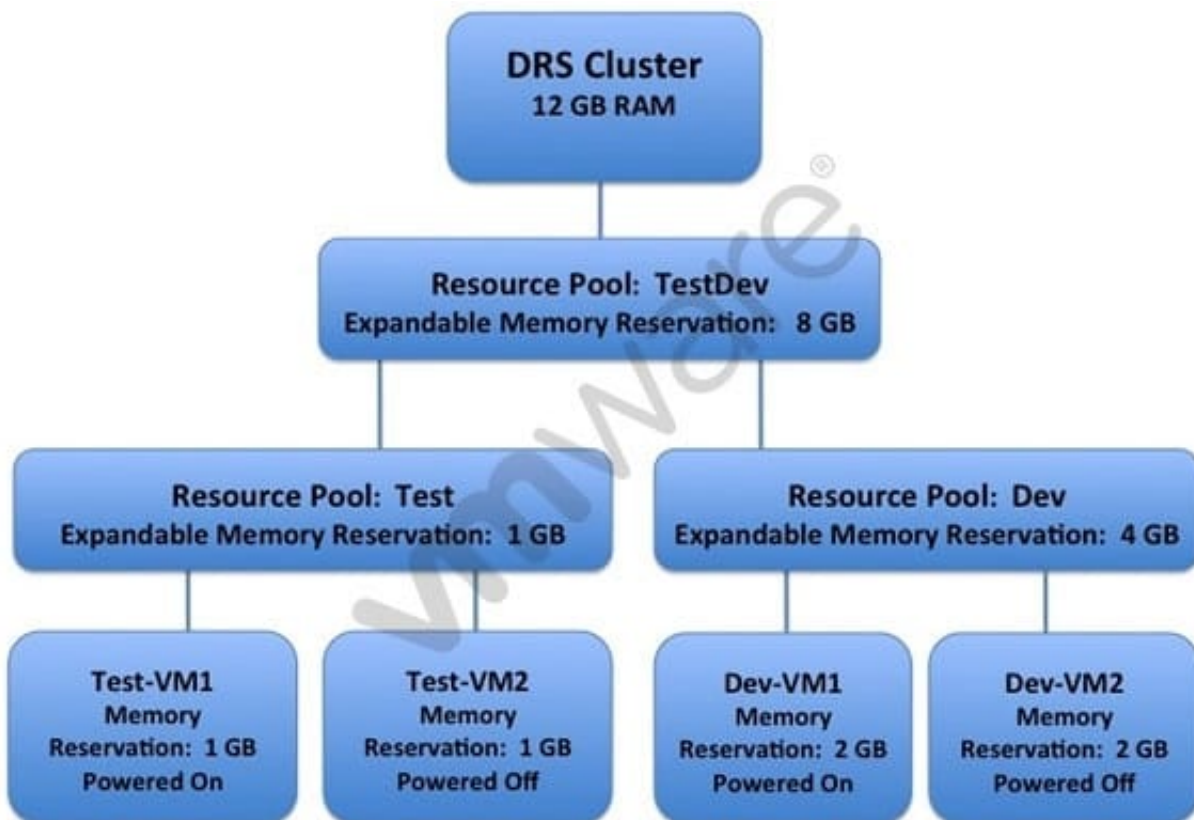
- A. Perform a Storage vMotion to another volume in order to force free space recovery to occur. This recreates the volume in a new location and recovers all unused space.
- B. Use VMware Converter to migrate the virtual machine to a new datastore. This will recreate the volumes and recover all unused space.
- C. Issue the vmkfstools -vmfs unmap command within the VMFS volume directory on the ESXi host console.
- D. Execute the esxcli storage vmfs unmap command.

Correct Answer: BD

Reference: <http://www.boche.net/blog/index.php/2013/09/13/vsphere-5-5-unmap-deep-dive/>

QUESTION 4

Refer to the Exhibit.



An administrator has configured a vSphere 6.x DRS cluster as shown in the Exhibit. Based on the exhibit, which

statement is true?

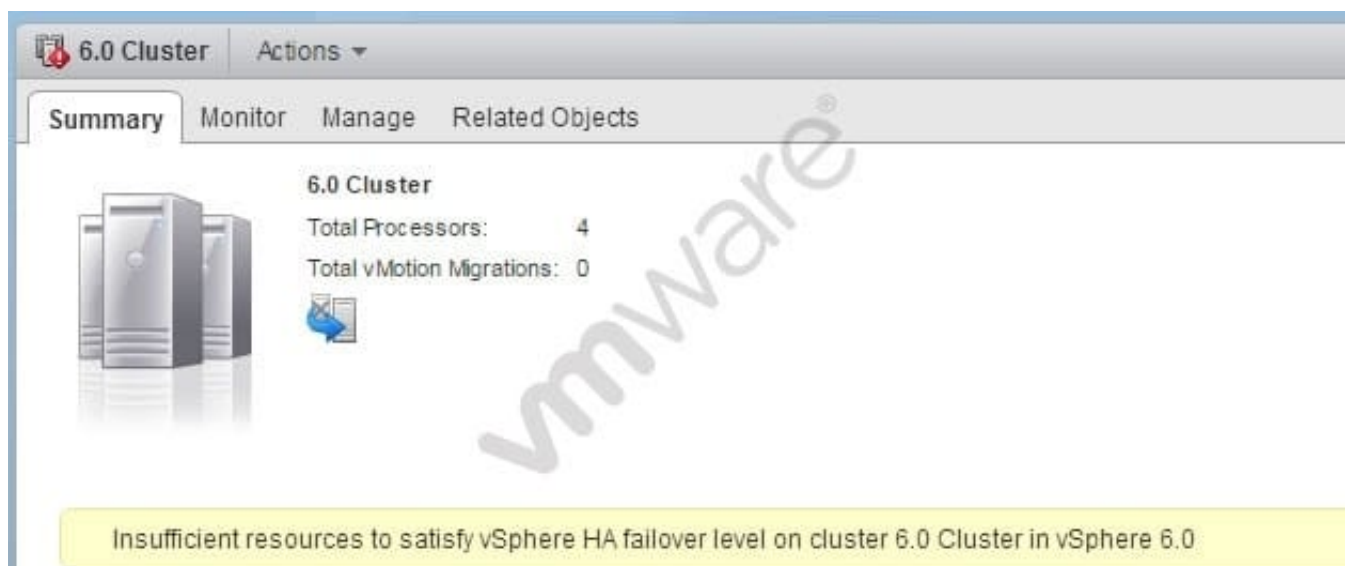
- A. A virtual machine can be powered on in the Test Resource Pool with a 6 GB Memory Reservation.
- B. A virtual machine can be powered on in the Dev Resource Pool with a 8 GB Memory Reservation.
- C. A virtual machine from both the Test Resource Pool and the Dev Resource Pool can be powered on with a 4 GB Memory Reservation.
- D. No more virtual machines can be powered on due to insufficient resources.

Correct Answer: A

Using 6 GB reservation, a VM can be powered on in the test resource pool. IT has an expandable memory reservation that can help start a VM in the resource pool.

QUESTION 5

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

This is the case of insufficient resources. Change the admission control policy for the cluster and adjust CPU and memory reservations of the VMs. The third logical way to address this problem is to increase failover resources in the cluster.

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