# 2V0-620Q&As

vSphere 6 Foundations Beta

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**QUESTION 1**

An administrator has recently installed a new ESXi 6.x Host, and during the configuration notices sporadic network problems. To check whether the issue occurred sometime during the configuration, the administrator would like to reset the system.

How can this be accomplished in the shortest amount of time?

A. Run the ESXi installer again and reinstall the host.

B. Select the Reset System Configuration option from the vSphere Client when connected directly to the host.

C. From the Direct Console User Interface, select Reset System Configuration.

D. Use a host profile to reset the configuration to a default state.

Correct Answer: C

This DCUI interface offers the following: Configure Root password Configure Lockdown mode Configure Management network Restart Management Network Test or disable Management Configure Keyboard View Support Information View System Logs Restart Management Network Reset System Configuration Remove Custom Extensions Shutdown or Restart /Reboot the ESXi Server

Reference: http://www.virtualizationadmin.com/articles-tutorials/vmware-esx-and-vsphere-articles/ installation-and-deployment/understanding-vmware-esxi-direct-console-user-interface-dcui.html

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**QUESTION 2**

When you add an ESXi 6.x host to a new Cluster, which vSphere object owns the CPU and Memory resources of the hosts?

A. vCenter Server

B. Datacenter

C. Cluster

D. Host

Correct Answer: C

Cluster owns the CPU and memory resources of the hosts when you add an ESXi 6.x host to a new cluster. Reference: https://pubs.vmware.com/vsphere-60/topic/com.vmware.ICbase/PDF/vsphere-esxi-vcenterserver-60-resource-management-guide.pdf

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**QUESTION 3**

An administrator has been tasked with enabling High Availability (HA) on a cluster in a vSphere 6.x environment with default settings. The cluster configures properly and there are no errors. The next day when powering on a virtual machine, an error is presented:

Not Enough Failover Resources

Which three scenarios are likely causes of this error message? (Choose three.)

A. The default VM Monitoring Sensitivity is set too high.

B. There are not enough datastore heartbeat datastores configured by default.

C. The default slot size in the cluster is set too high.

D. There are virtual machines with large CPU reservations.

E. A host is in maintenance mode for a replacement of a failed Hard Drive.

Correct Answer: CDE

This error message happens when the default slot size in the cluster is too high or the virtual machines with large CPU reservations are used. It also happens when the host is in maintenance mode for the replace of a failed hard drive.

Reference: https://pubs.vmware.com/vsphere-4-esx-vcenter/index.jsp?topic=/
com.vmware.vsphere.availability.doc_41/c_useha_works.html

**QUESTION 4**

An organization has configured Distributed Power Management (DPM) on a vSphere 6.x cluster. The organization wants to be alerted when an ESXi host has been powered down by DPM.

Which two options represent the type and name of the alarm that would accomplish this? (Choose two.)

A. DrsEnteringStandbyModeEvent

B. DrsEnteredStandbyModeEvent

C. Event-based

D. Condition-based

Correct Answer: BC

DrsEnteringStandbyModeEvent and Event-based alarms will accomplish the task.

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

com.vmware.vsphere.resourcemanagement.doc_40/using_drs_clusters_to_manage_resources/

c_monitoring_vmware_dpm.html

**QUESTION 5**

An organization has an ESXi 6.x host that contains two resource pools. The host is being relocated to a DRS cluster.

What two actions can be taken to integrate the host into the cluster, and what would happen to the existing ESXi resource pool hierarchy as a result? (Choose two.)

A. Place all of the host\\'s virtual machines into the DRS cluster root resource pool. The resource pools present on the host will be deleted.

B. Create a resource pool for the ESXi host\\'s virtual machines and resource pools. The resource pools present on the host will be deleted.

C. Place all of the host\\'s virtual machines into the DRS cluster root resource pool. The resource pools present on the host will be preserved.

D. Create a resource pool for the ESXi host\\'s virtual machines and resource pools. The resource pools present on the host will be preserved.

Correct Answer: AD

First, place all of the host\\'s virtual machines into DRS cluster root resources pool. The resource pool present on the host will be deleted. Create a resource pool for the ESXi host\\'s virtual machines and resource pools. It will be preserved. Reference: https://communities.vmware.com/thread/473862?start=0andtstart=0

**QUESTION 6**

Which two statements are true regarding VMware vSphere Flash Read Cache (vFRC)? (Choose two.)

A. Cache fills and cache evictions happen in the granularity of a cache block size.

B. vFRC caches data from both read and write I/Os, but write I/Os are always serviced by the underlying storage.

C. vFRC caches data from both read and write I/Os, but write I/Os are always serviced by the underlying cache data.

D. Cache fills and cache evictions happen in the granularity of the disk block size.

Correct Answer: AB

Cache fills and cache evictions happen in the granularity of a cache block size. This value ranges from 4KB to 1MB to enable you to best configure your cache block size based on the I/O size of workloads. Even though cache fills and cache evictions happen in the granularity of a cache block size, actual read I/O serviced by the cache can be smaller than the cache block size. For example, if the cache block size is 64KB, and a 4KB read I/O request is issued by the guest virtual machine, and if the data is not available in the cache, a 4KB read is issued to the VMDK. When populating the cache, the vFRC algorithm looks for a 64KB region to place the new 4KB data. If no free space is available, a 64KB region is evicted and the space is used to hold the new 4KB data. The remaining 60KB region in the 64KB cache block is marked as invalid. The cache block size parameter therefore has profound effects on performance

Reference: https://www.vmware.com/files/pdf/techpaper/vfrc-perf-vsphere55.pdf

**QUESTION 7**

What are two benefits of using NFS 4.1 with vSphere 6.x as compared to NFS 3? (Choose two.)

A. NFS 4.1 supports Kerberos Authentication

B. NFS 4.1 supports multipathing

C. NFS 4.1 supports IPv6

D. NFS 4.1 supports hardware acceleration

Correct Answer: AB

NFs 4.1 support kerberos authentication and multipathing.

Reference: http://searchvmware.techtarget.com/answer/What-are-the-implications-of-NFS-41-in-vSphere-6

**QUESTION 8**

A vApp named Sales has a Memory Limit of 32 GB and a CPU Limit of 12,000 MHz. There are three virtual machines within the vApp:

Sales-DB -- Has a memory reservation of 20 GB.

Sales-DC -- Has a memory reservation of 8 GB.

Sales-Web -- Has a memory reservation of 8 GB.

Which statement is correct?

A. All three virtual machines can power on, but will have memory contention.

B. All three virtual machines can power on without memory contention.

C. Only two of the three virtual machines can power on.

D. Only one of the virtual machines can power on.

Correct Answer: C

As per the scenario, only two of the three virtual machines can power on.

**QUESTION 9**

An administrator is deploying the vCenter Server Appliance.

Which two are valid steps that must be taken to successfully deploy the appliance? (Choose two.)

A. The ESXi host that the appliance will run on must be first taken out of Lockdown Mode.

B. The appliance is deployed using the vSphere Web Client.

C. The appliance is deployed using the Client Integration Plug-In.

D. The ESXi host that the appliance will run on must be first placed into Maintenance Mode.

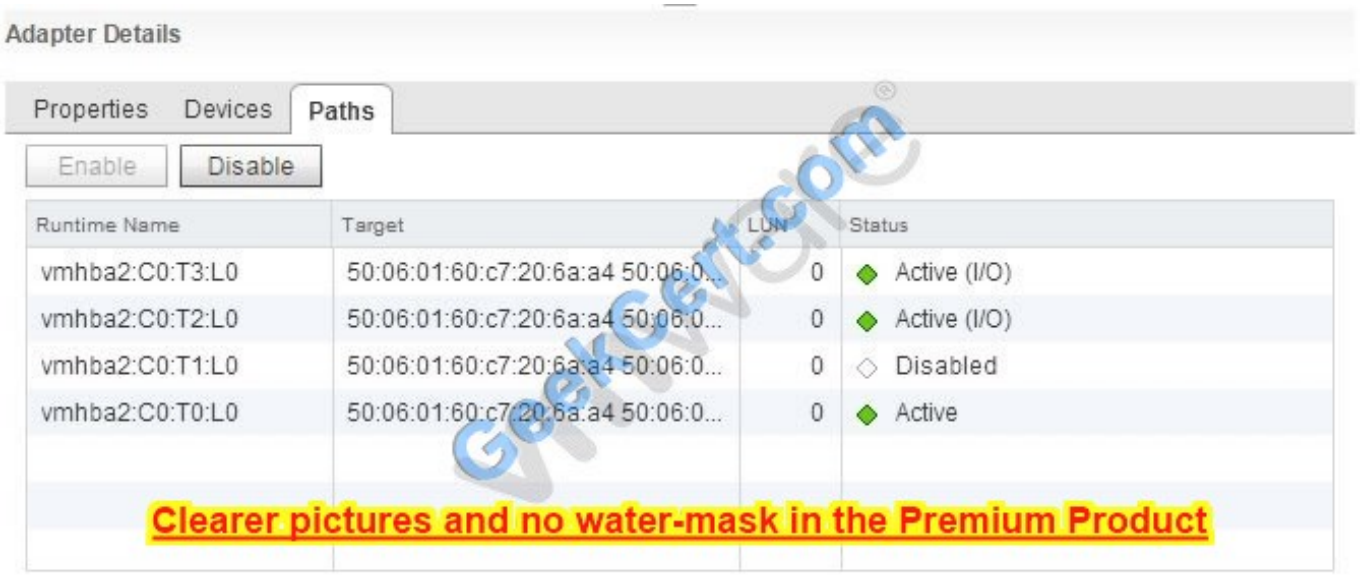
Correct Answer: AC

Reference: https://pubs.vmware.com/vsphere-60/index.jsp?topic=%2Fcom.vmware.vsphere.upgrade.doc

%2FGUID-37BB88CC-7A44-4EC9-8D7B-5D182E471654.html

**QUESTION 10**

Refer to the Exhibit.




A storage administrator has reported that full utilization of all bandwidth from an ESXi 6.x host is not being seen. In troubleshooting the issue, the Adapter details are shown in the Exhibit.

Based on the exhibit, what is cause of the issue?

A. The array is not setup to use the correct multipathing policy.

B. There are no virtual machines on the ESXi host.

C. Not all links are used because a path is disabled.

D. Another path needs to be configured.

Correct Answer: C

The cause might be that not all links are used because a path is disabled as you can see in the third row.

**QUESTION 11**

An administrator enables High Availability (HA) on a Virtual SAN cluster.

Which network is used for HA Network Heartbeat configuration?

A. The Management network.

B. The vMotion network.

C. The Virtual SAN network.

D. The Provisioning Traffic network.

Correct Answer: C

Virtual SAN network is used for HA Network heart beat configuration.

Reference: https://pubs.vmware.com/vsphere-55/index.jsp?topic=%2Fcom.vmware.vsphere.storage.doc%

2FGUID-D68890D8-841A-4BD1-ACA1-DA3D25B6A37A.html

**QUESTION 12**

An administrator creates a DRS cluster of eight ESXi 6.x hosts. There are 10 virtual machines balanced across the hosts. An attempt to place the first host into maintenance mode fails.

What are two reasons that the host failed to enter maintenance mode? (Choose two.)

A. The DRS cluster Automation Level is set to Partially Automated mode.

B. One of the virtual machines on the ESXi Host entering maintenance mode is configured with a DRS Host affinity rule Should run on hosts in group.

C. One of the virtual machines on the ESXi Host entering maintenance mode is configured with a DRS Host affinity rule Must run on hosts in group.

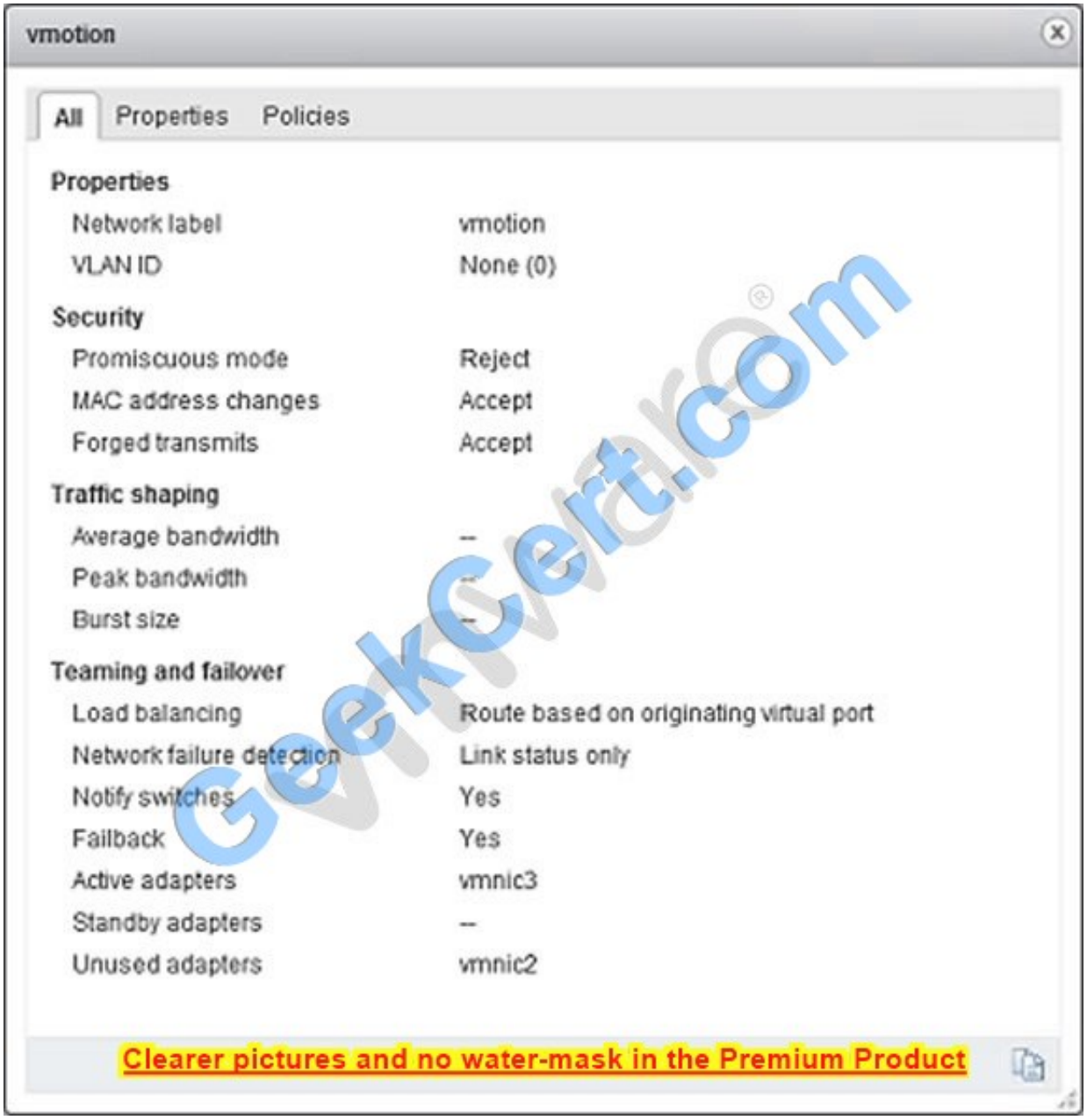
D. One of the virtual machines on the ESXi Host entering maintenance mode is configured with an individual Automation Level set to Partially Automated.

Correct Answer: AD

When considering an automation level, it is usually best to choose Fully Automated and let DRS handle everything. However, when first enabling DRS, you might want to set the automation level to Manual or Partially Automated so that you can observe its recommendations for a while before turning it loose on Fully Automated. Even when selecting Fully Automated, you can still configure individual VM automation levels, so you can specify certain VMs to not be migrated at all (disabled) or to be set to Manual or Partially Automated. To configure individual VM automation levels, click on Virtual Machine Options, located under DRS. Usually, the default three-star level is a good starting point and works well for most environments. You should be careful when choosing more aggressive levels, as you could have VMs moving very frequently between hosts (i.e., VM pong), which can create performance issues because of the constant VMotions which cause an entire LUN to be locked during the operation (i.e., SCSI reservations). Reference: http://cdn.ttgtmedia.com/searchSystemsChannel/downloads/AdvancedvSpherefeatures.pdf

**QUESTION 13**

Refer to the Exhibit.




An administrator has been given requirements to configure vMotion for a new virtual machine. The configuration should: Provide Network Redundancy Use VLAN 550 Be secured against anyone trying to spoof communication

The vSwitch1 configuration is shown in the Exhibit.

Which three changes should be made to meet the stated requirements? (Choose three.)

A. The VLAN ID must be set appropriately.

B. The default values for MAC Address Changes and Forged Transmits must be altered.

C. The teaming and failover adapters must be set appropriately.

D. The Traffic Shaping configuration must be altered.

E. The Load Balancing Policy must be set appropriately.

Correct Answer: ABC

First, VLAN ID must be set appropriately. Default values for Mac address changes and forged transmits must be altered and the teaming and failover adapters must be set accordingly.

**QUESTION 14**

An administrator is deploying multiple Windows 2003 Virtual Machines from the same template.

What two steps should be taken to avoid network conflicts? (Choose two.)

A. Customize the guest operating system.

B. Install VMware Tools into the new virtual machines.

C. Copy the Microsoft Sysprep tools onto the vCenter Server system.

D. Ensure the e1000 vmnic is selected for each new virtual machine.

Correct Answer: AC

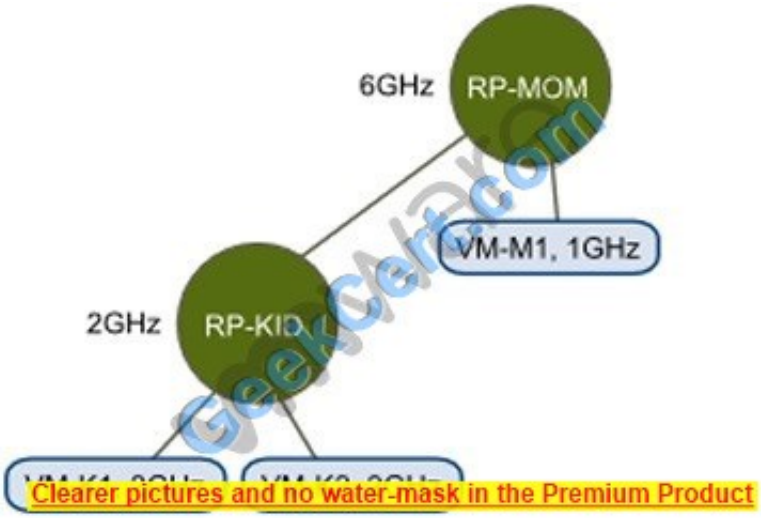
To avoid such network or software conflicts, its recommended to customize the VM Guest during the deployment process. For Guest OS customization of virtual machines deployed from templates, vCenter requires the following:

If the guest OS is Windows, you need VMware Tools and Sysprep utils to be installed within the templates: You will need to copy Sysprep tools to vCenter for Windows 2000, XP and 2003. Starting with Windows Vista onward, Sysprep tools are part of the base OS install.

Reference: https://virtual-drive.in/2015/02/08/what-are-virtual-machine-templates/

**QUESTION 15**

Refer to the Exhibit.




An administrator has created the resource pool configuration shown in the Exhibit. Based on the exhibit, which virtual machine(s) can be successfully powered on?

A. VM-M1 only

B. VM-K1 only

C. VM-K1 and VM-K2 only

D. VM-K1, VM-K2, and VM-M1

Correct Answer: D

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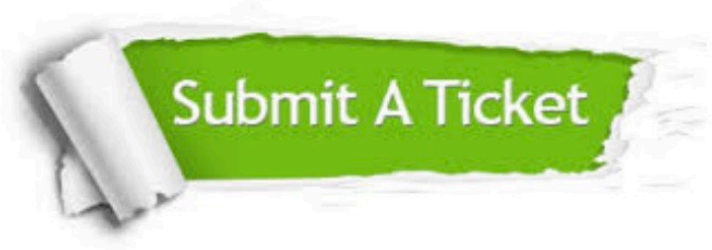

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