



# 2V0-620<sup>Q&As</sup>

vSphere 6 Foundations Beta

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### QUESTION 1

What condition would prevent an administrator from creating a new VMFS3 datastore on an ESXi 6.x host using the vSphere Web Client?

- A. A VMFS3 datastore cannot be created on an ESXi 6.x host.
- B. The VMFS3 kernel module is not loaded.
- C. A VMFS3 datastore cannot be mounted on an ESXi 6.x host.
- D. VMFS3 datastores are not compatible with virtual machines created on an ESXi 6.x host.

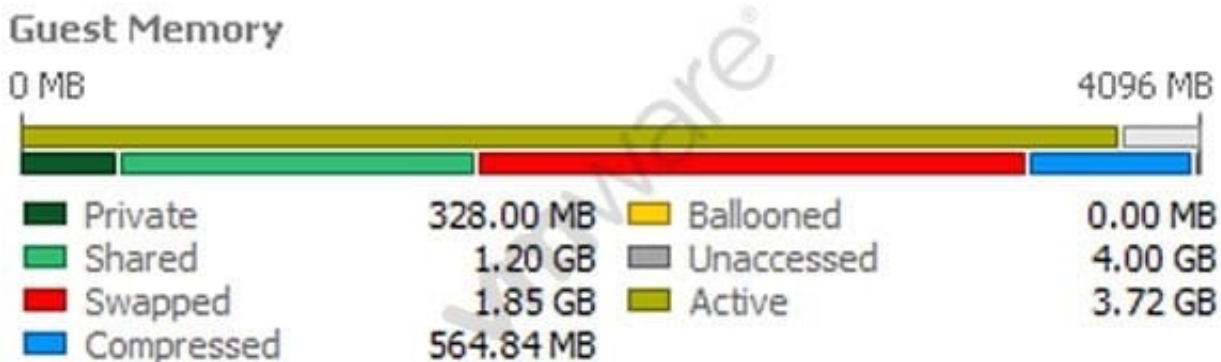
Correct Answer: A

VMFS3 datastore is not support on ESXi 6.x host.

Reference: <https://pubs.vmware.com/vsphere-60/index.jsp?topic=%2Fcom.vmware.vsphere.storage.doc%2FGUID-5EE84941-366D-4D37-8B7B-767D08928888.html>

### QUESTION 2

Refer to the Exhibit.



A 4 GB Memory virtual machine is experiencing extended memory issues, as shown in the Exhibit. What potential issues could be attributed to this memory pressure?

- A. A limit is imposed on the virtual memory of this virtual machine.
- B. The Balloon driver has been uninstalled.
- C. A limit has been imposed on the Virtual CPU of the virtual machine.
- D. Storage IO control has been enabled for the virtual machine causing the swapped memory.

Correct Answer: AB

One of the issue might be that the limit is imposed on the virtual memory of this VM. Secondly, the balloon driver has



been uninstalled. That's why it is experiencing memory issues.

### QUESTION 3

Refer to the Exhibit.

Adapter Details

Properties Devices Paths

Enable Disable

Runtime Name	Target	LUN	Status
vmhba2:C0:T3:L0	50:06:01:60:c7:20:6a:a4 50:06:0...	0	◆ Active (I/O)
vmhba2:C0:T2:L0	50:06:01:60:c7:20:6a:a4 50:06:0...	0	◆ Active (I/O)
vmhba2:C0:T1:L0	50:06:01:60:c7:20:6a:a4 50:06:0...	0	◇ Dead (I/O)
vmhba2:C0:T0:L0	50:06:01:60:c7:20:6a:a4 50:06:0...	0	◆ Active (I/O)

A storage administrator is not seeing full utilization of all bandwidth from an ESXi host. The vSphere administrator observes the adapter details, as shown in the Exhibit.

What is the probable cause of this issue?

- A. Another path needs to be used to allow full utilization of the bandwidth.
- B. The array is not setup to use the correct multipathing policy.
- C. There are no virtual machines on the host.
- D. No traffic is being sent across it because a path failed.

Correct Answer: D

It seems that no traffic is being sent across it due to the path that has failed.

### QUESTION 4

Which three items should be validated prior to installing ESXi 6.x? (Choose three.)

- A. Remote Storage has been disconnected.
- B. Installation media is available.
- C. Server hardware clock is set to UTC.



- D. Storage has been partitioned with a VMFS volume.
- E. Network cards have been setup to use Jumbo Frames.

Correct Answer: ABC

Validate remote storage is disconnected. Install media is available and server hardware clock is set to UTC. Reference: <https://pubs.vmware.com/vsphere-60/topic/com.vmware.ICbase/PDF/vsphere-esxi-vcenterserver-60-installation-setup-guide.pdf>

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#### QUESTION 5

How many Link Aggregation Groups (LAGs) can be configured on a vSphere 6.x Distributed Switch?

- A. 64
- B. 96
- C. 128
- D. 256

Correct Answer: A

You can create up to 64 LAGs on a distributed switch. A host can support up to 32 LAGs. However, the number of LAGs that you can actually use depends on the capabilities of the underlying physical environment and the topology of the virtual network. For example, if the physical switch supports up to four ports in an LACP port channel, you can connect up to four physical NICs per host to a LAG.

Reference: <https://pubs.vmware.com/vsphere-55/index.jsp?topic=%2Fcom.vmware.vsphere.networking.doc%2FGUID-0D1EF5B4-7581-480B-B99D-5714B42CD7A9.html>

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#### QUESTION 6

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.ttgmedia.com/searchSystemsChannel/downloads/AdvancedvSpherefeatures.pdf>

## QUESTION 7

An administrator needs to configure an ODBC connection to the database for a vCenter Server install using the Windows built-in system account. What options must the administrator configure to accomplish the connection? (Choose two.)

- A. Create the new ODBC from the UserDSN tab.
- B. Select SQL Server authentication.
- C. Select Integrate Windows authentication.
- D. Create the new ODBC from the SystemDSN tab.

Correct Answer: BC

To create a new SQL Server ODBC connection, click Add, select SQL Native Client, and click Finish.

Type an ODBC data source name (DSN) in the Name text box.

For example, VMware vCenter Server.

(Optional) Type an ODBC DSN description in the Description text box.

Select the server name from the Server drop-down menu.

Type the SQL Server host name in the text box if it is not in the drop-down menu.

Select an authentication method.

Integrate Windows authentication.

Additionally, you can also enter the Service Principal Name (SPN).

Important

You cannot use this option if the vCenter Server service is running under the Microsoft Windows built-in system account.

SQL Server authentication.

Type your SQL Server login name and password.

Reference: [https://pubs.vmware.com/vsphere-60/index.jsp?topic=%2Fcom.vmware.vsphere.install.doc%](https://pubs.vmware.com/vsphere-60/index.jsp?topic=%2Fcom.vmware.vsphere.install.doc%2F)



2FGUID-E83D153B-F6DB-4355-8806-357C8E1F01CF.html

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### QUESTION 8

Which two are true about the Risk badge in vRealize Operations? (Choose two.)

- A. The Risk badge indicates potential future problems that may degrade the performance of the system.
- B. Risks may require attention in the near future.
- C. The Risk badge indicates problems that are degrading performance of the system.
- D. Risks require attention now to correct system performance problems.

Correct Answer: AB

The Risk badge indicates potential problems that might eventually degrade the performance of the system.

Risk does not necessarily imply a current problem. Risk indicates problems that might require your attention in the near future, but not immediately.

Reference: <https://pubs.vmware.com/vsphere-60/index.jsp?topic=%2Fcom.vmware.vsphere.vcops.doc%2FGUID-30184AD9-6790-48DC-96C5-4A38DEEFEA3A.html>

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### QUESTION 9

An administrator has just completed performing an interactive installation of ESXi 6.x and is booting the host.

How is the network initially configured?

- A. The network is configured by Automatic Private IP Addressing (APIPA).
- B. The network is configured based on the settings detected in DNS.
- C. The network is configured with the address as specified in the installer.
- D. The network is automatically configured by DHCP.

Correct Answer: D

Network is automatically configured by DHCP Reference: <https://pubs.vmware.com/vsphere-60/topic/com.vmware.ICbase/PDF/vsphere-esxi-vcenterserver-60-installation-setup-guide.pdf>

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### QUESTION 10

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>

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### QUESTION 11

What is true regarding datastores on ESXi 6.x?

- A. NFS 4.1 datastore does not support Fault Tolerance (FT)
- B. Both VMFS3 and VMFS5 datastores can be created
- C. NFS datastore can be mounted using NFS 4.1 on one ESXi host and NFS 3.0 on another
- D. NFS 3.0 datastore does not support Fault Tolerance (FT)

Correct Answer: A

VMs on NFS v4.1 support FT, as long as it is the new FT mechanism introduced in 6.0. VMs running on NFS v4.1 do not support the old, legacy FT mechanism.

In vSphere 6.0, the newer Fault Tolerance mechanism can accommodate symmetric multiprocessor (SMP) virtual machines with up to four vCPUs. Earlier versions of vSphere used a different technology for Fault Tolerance (now known as legacy FT), with different requirements and characteristics (including a limitation of single vCPUs for legacy FT VMs). Reference: <http://vsphere-land.com/news/nfs-4-1-support-in-vsphere-limitations-and-caveats.html>

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### QUESTION 12

Which two actions are prerequisites to adding ESXi 6.x hosts to a vSphere Distributed Switch? (Choose two.)

- A. Verify that there is at least one Distributed Port Group on the Distributed Switch.
- B. Verify that the Distributed Port Group have active uplinks configured in its teaming and failover policy.
- C. Verify that the Distributed Switch has been configured with a Network Profile.
- D. Verify that Network I/O control for Management Traffic is configured for the highest share value.

Correct Answer: AB

To manage the networking of your vSphere environment by using a vSphere Distributed Switch, you must



associate hosts with the switch. You connect the physical NICs, VMkernel adapters, and virtual machine network adapters of the hosts to the distributed switch.

#### Prerequisites

Verify that enough uplinks are available on the distributed switch to assign to the physical NICs that you want to connect to the switch.

Verify that there is at least one distributed port group on the distributed switch.

Verify that the distributed port group have active uplinks configured in its teaming and failover policy.

Reference: [https://pubs.vmware.com/vsphere-60/index.jsp?topic=%](https://pubs.vmware.com/vsphere-60/index.jsp?topic=%2Fcom.vmware.vsphere.networking.doc%2FGUID-E90C1B0D-82CB-4A3D-BE1B-0FD6575725.html)

[2Fcom.vmware.vsphere.networking.doc%2FGUID-E90C1B0D-82CB-4A3D-BE1B-0FD6575725.html](https://pubs.vmware.com/vsphere-60/index.jsp?topic=%2Fcom.vmware.vsphere.networking.doc%2FGUID-E90C1B0D-82CB-4A3D-BE1B-0FD6575725.html)

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### QUESTION 13

Which two NFS Protocol versions does vSphere 6 support? (Choose two.)

- A. Version 3
- B. Version 3.1
- C. Version 4
- D. Version 4.1

Correct Answer: AD

ESXi supports NFS protocols version 3 and 4.1. To support both versions, ESXi uses two different NFS clients.

Reference: <https://pubs.vmware.com/vsphere-60/index.jsp?topic=%2Fcom.vmware.vsphere.storage.doc%2FGUID-8A929FE4-1207-4CC5-A086-7016D73C328F.html>

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### QUESTION 14

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

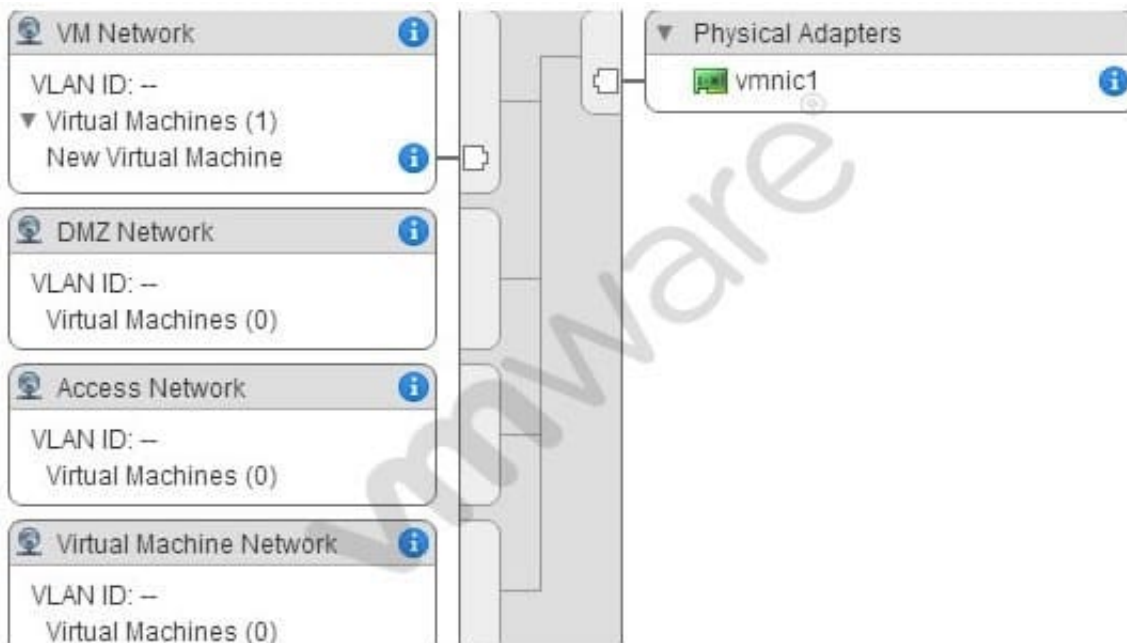
Correct Answer: BC

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](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 15

Refer to the Exhibit.



A vSphere 6.x Standard Switch is configured with 4 virtual machine portgroups, as shown in the exhibit. Which portgroup would be utilized by default when creating a new virtual machine?

- A. Access Network
- B. DMZ Network
- C. VM Network
- D. Virtual Machine Network

Correct Answer: A

Access network will be utilized by default when creating a new virtual machine as can be seen in the exhibit.



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