



# 2V0-21.23<sup>Q&As</sup>

VMware vSphere 8.x Professional

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**QUESTION 1**

In a vSphere High Availability (vSphere HA) cluster, which condition can be detected by datastore heartbeating?  
(Choose the best answer.)

- A. Fault tolerance virtual machine (VM) failover
- B. Network isolation
- C. Virtual machine (VM) disk failure
- D. Datastore All Paths Down (APD) event

Correct Answer: B

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.5/vsphere-esxi-vcenter-server-65-availability-guide.pdf> (19)

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**QUESTION 2**

An administrator adds an additional host to a cluster and is attempting to remediate the configuration with a host profile.

Which option would the administrator select on the host before it can be remediated with an existing host profile?  
(Choose the best answer.)

- A. Export Host Customizations
- B. Export Host Profile
- C. Attach Host Profile
- D. Copy Settings from Host

Correct Answer: C

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**QUESTION 3**

An administrator wants to enable bandwidth allocation for workloads by using Network I/O Control. What should the administrator configure to accomplish this? (Choose the best answer.)

- A. Management traffic
- B. Virtual machine traffic
- C. Load-balancing
- D. NIC teaming policy

Correct Answer: B

Reference:



<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.networking.doc/GUID-E13CC2B0-5357-4261-8C0E-8BE5BD56BD20.html>

#### QUESTION 4

An administrator is investigating the reason for a virtual machine restarting. In the vmware.log file, the administrator finds the following error:

```
svga | I120: WinBSOD: ( 1) 'A problem has been detected and Windows has
been shut down to prevent damage'
svga | I120: WinBSOD: ( 2) 'to your computer.'
svga | I120: WinBSOD: ( 4) 'If this is the first time you've seen this
Stop error screen,'
svga | I120: WinBSOD: ( 5) 'restart your computer. If this screen
appears again, follow'
svga | I120: WinBSOD: ( 6) 'these steps:'
svga | I120: WinBSOD: ( 8) 'Disable or uninstall any anti-virus, disk
defragmentation'
svga | I120: WinBSOD: ( 9) 'or backup utilities. Check your hard drive
configuration,'
svga | I120: WinBSOD: (10) 'and check for any updated drivers. Run
CHKDSK /F to check'
svga | I120: WinBSOD: (11) 'for hard drive corruption, and then restart
your computer.'
svga | I120: WinBSOD: (13) 'Technical information:'
svga | I120: WinBSOD: (15) '*** STOP: 0x00000024
(0x000000000001904FB, 0xFFFFF880069B2CE8, 0xFFFFF880069B2540,0'
svga | I120: WinBSOD: (16) 'xXXXXX880014F5FA2)
```

What is a likely cause of this virtual machine restart? (Choose the best answer.)

- A. Guest operating system fault
- B. User or API request to shut down guest operating system
- C. High Availability
- D. User or API request to restart guest operating system

Correct Answer: A

#### QUESTION 5

ESXi provides VLAN support by assigning a VLAN ID to which component? (Choose the best answer.)

- A. Virtual standard switch
- B. Physical network interface card (NIC)



- C. Virtual distributed switch
- D. Port group

Correct Answer: D

Reference: <https://geek-university.com/vmware-esxi/configure-vlans/>

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#### QUESTION 6

An administrator is tasked with upgrading an existing vSphere environment to version 7.0. The current configuration is using an external Platform Services Controller. Which two statements are true regarding this upgrade? (Choose two.)

- A. The external Platform Services Controller needs to be converged into an embedded vCenter Server Appliance.
- B. The external Platform Services Controller needs to be decommissioned following the deployment of the new vCenter Server Appliance.
- C. The external Platform Services Controller backup can be restored to a new embedded vCenter Server Appliance.
- D. The external Platform Services Controller needs to be upgraded after the vCenter Server Appliance.
- E. The external Platform Services Controller needs to be powered down while a new vCenter Server Appliance is deployed.

Correct Answer: CE

Reference:

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vcenter.install.doc/GUID-ACCD2814-0F0A-4786-96C0-8C9BB57A4616.html>

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#### QUESTION 7

An administrator is tasked with upgrading an existing vSphere environment to version 7.0. The environment consists of mounted NFS v3 datastores. The new design requires configuration of NFS v4.1 datastores. Which statement is true regarding this upgrade? (Choose the best answer.)

- A. The NFS v3 datastores can be unmounted and remounted using NFS v4.1.
- B. A new VMKernel port for NFS v4.1 needs to be created before the upgrade.
- C. Following first boot, NFS v3 datastores are automatically converted to NFS v4.1 by ESXi 7.0
- D. ESXi 7.0 does NOT support NFS v4.1.

Correct Answer: B

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#### QUESTION 8

Which action is supported over a VMkernel vMotion TCP/IP stack? (Choose the best answer.)



- A. Hot migrations
- B. Fault tolerance protection
- C. Virtual machine cloning
- D. Snapshot creation

Correct Answer: B

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#### QUESTION 9

What are two functions of vSphere Lifecycle Manager? (Choose two.)

- A. Update ESXi hosts in a cluster using baselines
- B. Upgrade VMware Tools and virtual machine hardware
- C. Run vCenter Server interoperability reports
- D. Run vCenter Server upgrade pre-checks
- E. Update standalone ESXi hosts using images

Correct Answer: BE

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#### QUESTION 10

Which feature is a pre-requisite for configuring admission control on a cluster? (Choose the best answer.)

- A. vSphere Enhanced vMotion Compatibility (EVC)
- B. vSphere High Availability (HA)
- C. vSphere Fault Tolerance
- D. vSphere Distributed Resource Scheduler (DRS)

Correct Answer: B

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#### QUESTION 11

An IT department is decommissioning a storage array and tasks an administrator with removing a datastore from ESXi hosts. What is a prerequisite for unmounting the datastore? (Choose the best answer.)

- A. The datastore is NOT managed by Storage DRS.
- B. The datastore is NOT being used by vSphere High Availability heartbeating.
- C. The datastore is NOT referenced by a host profile.



D. The datastore does NOT contain powered-off virtual machines.

Correct Answer: A

Reference: <https://kb.vmware.com/s/article/2004605>

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### QUESTION 12

An administrator is utilizing Network I/O Control (NIOC) to allocate bandwidth utilization on a physical 10 Gbps adapter. What is the maximum amount of bandwidth that can be reserved? (Choose the best answer.)

A. 2.5 Gbps

B. 10 Gbps

C. 5.0 Gbps

D. 7.5 Gbps

Correct Answer: D

Reference: <https://docs.vmware.com/en/VMware-NSX-T-Data-Center/2.4/installation/GUID-9A8FD62A-F099-4329-8220-6D5853F9A62D.html> (note)

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### QUESTION 13

An administrator is troubleshooting a recent failure and finds the following error messages:

```
The guest OS has reported an error during quiescing. The error code was: 5 The error message was:  
Asynchronous operation failed: >VssSyncStart  
The guest OS has reported an error during quiescing. The error code was: 5 The error message was:  
'VssSyncStart' operation failed: The >system cannot find the file specified. (0x80070002)
```

Which action has failed, thus resulting in these errors? (Choose the best answer.)

A. Virtual machine power off

B. Virtual machine snapshot

C. Virtual machine migration

D. Virtual machine reconfiguration

Correct Answer: B

Reference: <https://kb.vmware.com/s/article/2090545>

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### QUESTION 14

What is a pre-requisite for increasing datastore capacity? (Choose the best answer.)



- A. The backing device for the datastore has enough free space.
- B. The datastore is managed by Storage DRS (SDRS).
- C. The datastore is 100% full.
- D. There are NO powered-on virtual machines on the datastore.

Correct Answer: A

Reference:

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.storage.doc/GUID-D57FEF5D-75F1-433D-B337-E760732282FC.html>

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#### QUESTION 15

An administrator wants to be able to send vCenter Server log files to a remote syslog server and analyze logs using vRealize Log Insight. Which step must the administrator take to meet this requirement? (Choose the best answer.)

- A. Configure the vCenter Server logging options using the vSphere Client.
- B. Specify the remote syslog server name at deployment using the vCenter Server GUI Installer.
- C. Specify the vRealize Log Insight system name using the vSphere Client.
- D. Configure log file forwarding using the vCenter Server Management Interface.

Correct Answer: D

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