

# 2V0-621<sup>Q&As</sup>

VMware Certified Professional 6 – Data Center Virtualization

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### QUESTION 1

Which two conditions would prevent an administrator from upgrading an existing vCenter Server Appliance to vSphere 6.x? (Choose two.)

- A. The administrator did not export the appliance configuration.
- B. The ESXi Host that the appliance will run on has not been placed into Maintenance Mode.
- C. The administrator is using an appliance with an embedded Platform Services Controller.
- D. The appliance has been configured to use an external Single Sign-On server.

Correct Answer: AD

If the administrator is upgrading an existing vcenter server appliance to vSphere 6.x, he needs to export appliance configuration before doing so and he needs to avoid using external single sign-on server.

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### QUESTION 2

An administrator runs the command `esxcli storage core device list` and sees the following output: `mpx.vmhba1:C0:T0:L0 Display Name: RAID 5 (mpx.vmhba1:C0:T0:L0) Has Settable Display Name: false SizE. 40960 Device Type: Direct-Access Multipath Plugin: NMP Devfs Path: /vmfs/devices/disks/ mpx.vmhba1:C0:T0:L0 Status: off Is Local: true`

What can be determined by this output?

- A. The device is a being used for vFlash Read Cache.
- B. The device is in a Permanent Device Loss (PDL) state.
- C. The device is a local Solid State Device (SSD).
- D. The device is in an All Paths Down (APD) state.

Correct Answer: B

Reference: [https://kb.vmware.com/selfservice/microsites/search.do?language=en\\_US&cmd=displayKCa&externalId=2004684](https://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKCa&externalId=2004684)

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### QUESTION 3

Which two features are available for virtual machines configured with DirectPath I/O? (Choose two.)

- A. Fault Tolerance
- B. Suspend and Resume
- C. Virtual Symmetric Multi-Processing (vSMP)
- D. Virtual Non-Uniform Memory Access (vNUMA)

Correct Answer: CD

DirectPath I/O

DirectPath I/O allows virtual machine access to physical PCI functions on platforms with an I/O Memory Management Unit.

The following features are unavailable for virtual machines configured with DirectPath:

Hot adding and removing of virtual devices

Suspend and resume

Record and replay

Fault tolerance

High availability

DRS (limited availability. The virtual machine can be part of a cluster, but cannot migrate across hosts)

Snapshots

Reference:

<https://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.networking.doc%2FGUID-BF2770C3-39ED-4BC5-A8EF-77D55EFE924C.html>

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#### QUESTION 4

When attempting to remove a host from a vSphere Distributed Switch (vDS), an administrator observes the error message:

The resource '\\16\\' is in use

What are two reasons why this error would be displayed? (Choose two.)

- A. VMkernel network adapters on the vDS are in use.
- B. Virtual machine network adapters are connected to the vDS.
- C. Network I/O Control has been configured on the vDS.
- D. There is active network traffic on the vDS.

Correct Answer: AB

Explanation: Cause You cannot remove the host from the distributed switch or delete the host proxy switch because of the following reasons.

1.

There are VMkernel adapters on the switch that are in use.

2.

There are virtual machine network adapters connected to the switch.

Reference: <https://pubs.vmware.com/vsphere-55/index.jsp?topic=%2Fcom.vmware.vsphere.troubleshooting.doc%2FGUID-038AC93F-D710-48ED-8E3B-258A23FB2930.html>

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#### QUESTION 5

An administrator notices that one virtual machine is in an orphaned state.

What are two reasons that a virtual machine can appear as orphaned? (Choose two.)

- A. A VMware High Availability host failure has occurred.
- B. The virtual machine was unregistered directly on the host.
- C. The ESXi host is disconnected.
- D. The user does not have privilege to access the virtual machine.

Correct Answer: AB

Explanation: Please refer to the following link to understand more about the Orphaned State: [https://kb.vmware.com/selfservice/microsites/search.do?language=en\\_US&cmd=displayKC&externalId=1003742](https://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=1003742)

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