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

VMware Certified Professional 6 – Data Center Virtualization

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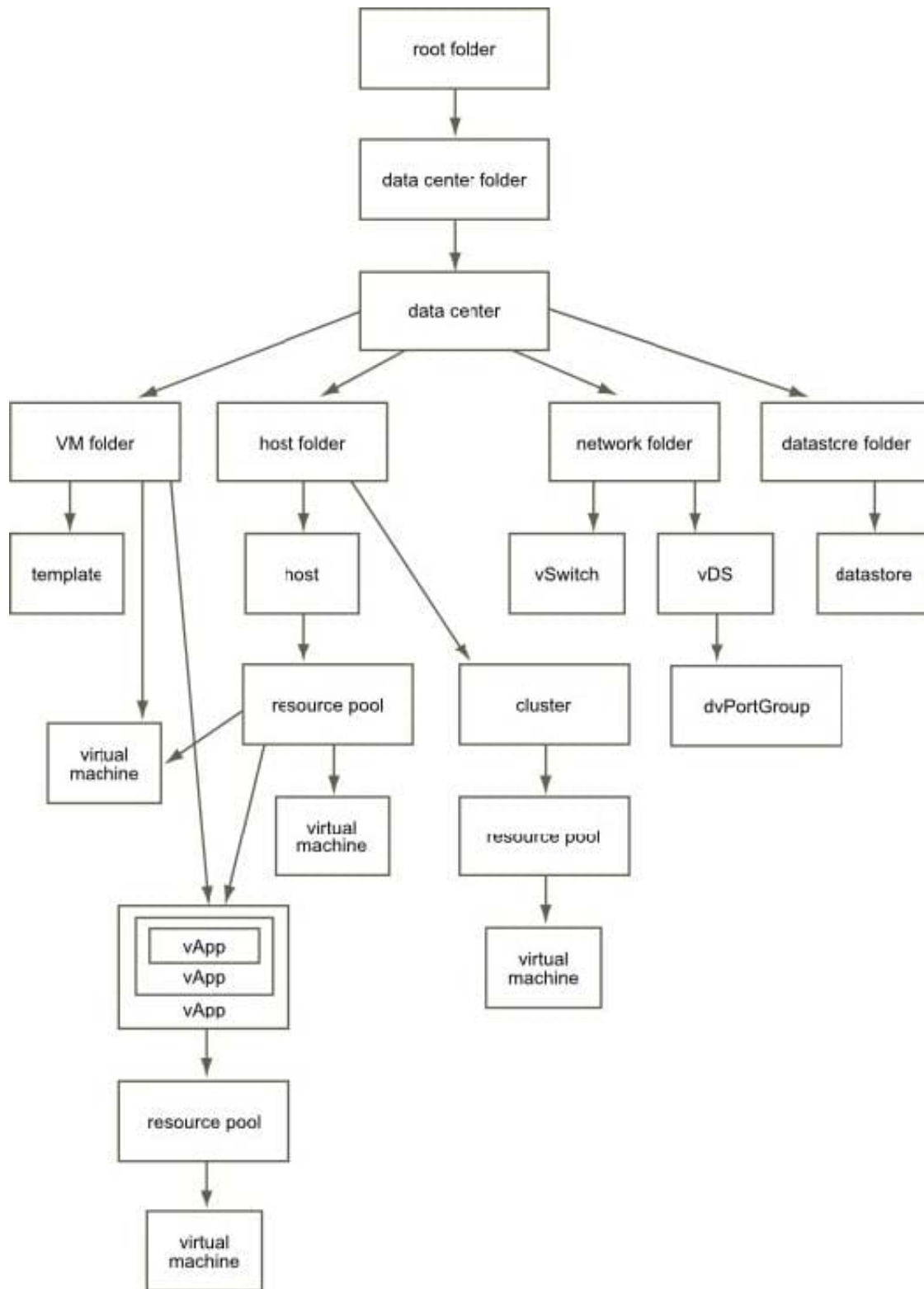⚙ **365 Days** Free Update

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**QUESTION 1**

What is the highest object level from which a virtual machine can inherit privileges?

A. Host Folder

B. Data Center

C. Data Center Folder

D. VM Folder

Correct Answer: C

Reference: http://pubs.vmware.com/vsphere-4-esx-vcenter/index.jsp?topic=/com.vmware.vsphere.dcadmin.doc_41/
vsp_dc_admin_guide/managing_users_groups_roles_and_permissions/
c_hierarchical_inheritance_of_permissions.html

**QUESTION 2**

A device\\'s vStorage API for Array Integration (VAAI) support status command line output shows:

naa.500253825002a865 VAAI Plugin Name: ATS Status: unsupported Clone Status: unsupported Zero Status: supported Delete Status: unsupported

What is the corresponding VAAI support status in the vSphere Web Client?

A. Unknown

B. Supported

C. Not supported

D. Unsupported

Correct Answer: A

: If you go to Host > Configuration > Storage, you can see the Hardware Acceleration Status in the panel on the right side.

For each storage device and datastore, the vSphere Client displays the hardware acceleration support status in the Hardware Acceleration column of the Devices view and the Datastores view.

The status values are Unknown, Supported, and Not Supported. The initial value is Unknown. The status changes to Supportedafter the host successfully performs the offload basic operations. If the offload operation fails, the status changes to Not Supported.

To determine if your storage device supports VAAI, test the Full Copy VAAI primitive:

1.

Using the vSphere Client, browse the datastore and locate a virtual disk (VMDK) of at least 4 MB that is

not in use.

2.

Copy the virtual disk to a new file.

3.

Check the Hardware Acceleration status to verify that it changes from Unknown to either Supported or

Not Supported.

Note: VAAI primitives can also be tested by creating a virtual machine with at least one new virtual disk, or

cloning a virtual machine.

Can I check the VAAI status from the command line?

On ESXi 5.x

To check the VAAI status, run this command:

# esxcli storage core device vaai status get

You see output similar to:

mpx.vmhba1:C0:T1:L0 VAAI Plugin Name: ATS Status: unsupported Clone Status: unsupported Zero Status: unsupported Delete Status: unsupported

mpx.vmhba1:C0:T0:L0 VAAI Plugin Name: ATS Status: unsupported Clone Status: unsupported Zero Status: unsupported Delete Status: unsupported

Reference: https://kb.vmware.com/selfservice/microsites/search.do?language=en_USandcmd=displayKCandexternalId=1021976

**QUESTION 3**

Which two are valid Identity Sources when configuring vCenter Single Sign-On? (Choose two.)

A. Radius

B. NIS

C. OpenLDAP

D. LocalOS

Correct Answer: CD

| Option | Description |
| --- | --- |
| OpenLDAP | The identity source is an OpenLDAP server. OpenLDAP versions 2.4 and later are supported. |
| Active Directory | The identity source is a Microsoft Active Directory server. Active Directory versions 2003 and later are supported. |
| Local Operating System | Users local to the operating system where Single Sign On is installed (for example, Windows). There can be only one local operating system identity source. |

Reference: https://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.security.doc%2FGUIDB23B1360-8838-4FF2-B074-71643C4CB040.html

**QUESTION 4**

An ESXi 6.x host in the vCenter Server inventory has disconnected due to an All Paths Down (APD) situation. An administrator has corrected the APD issue on the host, but it still remains disconnected.

What action should the administrator take next?

A. Select Restart Management Agents from the DCUI.

B. Execute esxcli system settings advanced set -d /Scsi/FailVMIOonAPD.

C. Modify the advanced parameter /Disk/ApdTokenRetryCount.

D. Enable the advanced parameter /Misc/APDHandlingEnable.

Correct Answer: A

All-Paths-Down (APD)

1.

 A datastore is shown as unavailable in the Storage view

2.

 A storage adapter indicates the Operational State of the device as Dead or Error

3.

 All paths to the device are marked as Dead

4.

 You are unable to connect directly to the ESXi host using the vSphere Client

5.

 The ESXi host shows as Disconnected in vCenter Server

6.

 In the /var/log/vmkernel.log file, you see entries similar to:

cpu1:2049)WARNING: NMP: nmp_IssueCommandToDevice:2954:I/O could not be issued to device "naa.60a98000572d54724a34642d71325763" due to Not found cpu1:2049)WARNING: NMP: nmp_DeviceRetryCommand:133:Device "naa.60a98000572d54724a34642d71325763": awaiting fast path state update for failover with I/O blocked. No prior reservation exists on the device. cpu1:2049)WARNING: NMP: nmp_DeviceStartLoop:721:NMP Device "naa.60a98000572d54724a34642d71325763" is blocked. Not starting I/O from device. cpu1:2642)WARNING: NMP: nmpDeviceAttemptFailover:599:Retry world failover device "naa.60a98000572d54724a34642d71325763" - issuing command 0x4124007ba7c0 cpu1:2642)WARNING: NMP: nmpDeviceAttemptFailover:658:Retry world failover device

"naa.60a98000572d54724a34642d71325763" - failed to issue command due to Not found (APD), try

again... cpu1:2642)WARNING: NMP: nmpDeviceAttemptFailover:708:Logical device

"naa.60a98000572d54724a34642d71325763": awaiting fast path state update... cpu0:2642)WARNING:

NMP: nmpDeviceAttemptFailover:599:Retry world failover device

"naa.60a98000572d54724a34642d71325763" - issuing command 0x4124007ba7c0 cpu0:2642)

WARNING: NMP: nmpDeviceAttemptFailover:658:Retry world failover device

"naa.60a98000572d54724a34642d71325763" - failed to issue command due to Not found (APD), try

again... cpu0:2642)WARNING: NMP: nmpDeviceAttemptFailover:708:Logical device

"naa.60a98000572d54724a34642d71325763": awaiting fast path state update...

A restart of the management agents may show these errors:

Not all VMFS volumes were updated; the error encountered was \\'No connection\\'.

Errors:

Rescan complete, however some dead paths were not removed because they were in use by the system.

Please use the \\'storage core device world list\\' command to see the VMkernel worlds still using these paths.

Error while scanning interfaces, unable to continue. Error was Not all VMFS volumes were updated; the

error encountered was \\'No connection\\'.

You may also see that the device is no longer listed:

cpu17:10107)WARNING: Vol3: 1717: Failed to refresh FS 4beb089b-68037158-2ecc-00215eda1af6

descriptor: Device is permanently unavailable cpu17:10107)ScsiDeviceIO: 2316: Cmd(0x412442939bc0)

0x28, CmdSN 0x367bb6 from world 10107 to dev "eui.00173800084f0005" failed H:0x1 D:0x0 P:0x0

Possible sense data: 0x0 0x0 0x0.

cpu17:10107)Vol3: 1767: Error refreshing PB resMeta: Device is permanently unavailable

Reference: https://kb.vmware.com/selfservice/microsites/search.do?

language=en_USandcmd=displayKCandexternalId=2004684

## QUESTION 5

An administrator has a virtual machine (VM) that uses a shared USB device.

Which option will allow the VM to utilize vMotion while retaining the maximum possible functionality?

A. Disable the USB device from the VM.

B. Remove the device from the VM

C. Configure the VM to support vMotion while the device is connected

D. Enable migration support for the individual USB device\\'s

Correct Answer: C

Virtual machine utilizes vMotion in specific scenarios but the maximum capability is not great. So in order to get

maximum capability, you need to configure VM to support vMotion when the device is connected.