



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

VMware Certified Professional 6 – Data Center Virtualization

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### QUESTION 1

An administrator wants to upgrade to vCenter Server 6.x.

The vCenter Server:

1.  
Is hosted on a virtual machine server running Microsoft Windows Server 2008 R2, with 8 vCPUs and 16GB RAM.
2.  
Will have an embedded Platform Services Controller.
3.  
Hosts a Large Environment with 1,000 ESXi hosts and 10,000 Virtual Machines.

Why does the vCenter Server not meet the minimum requirements?

- A. Windows Server 2008 R2 is not a supported Operating System for vCenter Server.
- B. The virtual machine has insufficient resources for the environment size.
- C. The environment is too large to be managed by a single vCenter Server.
- D. The Platform Services Controller must be changed to an External deployment.

Correct Answer: B

vCenter Server for Windows Hardware Requirements

When you install vCenter Server on a virtual machine or physical server running Microsoft Windows server, your system must meet specific hardware requirements.

<https://kb.vmware.com/kb/2107948>

VMware vCenter Server 6.0 Deployment Guide - White Paper ...

<https://www.vmware.com/files/pdf/.../vmware-vcenter-server6-deployment-guide.pdf>

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### QUESTION 2

An object has inherited permissions from two parent objects.

What is true about the permissions on the object?

- A. The common permissions between the two are applied and the rest are discarded.
- B. The permissions are combined from both parent objects.
- C. No permissions are applied from the parent objects.



D. The permission is randomly selected from either of the two parent objects.

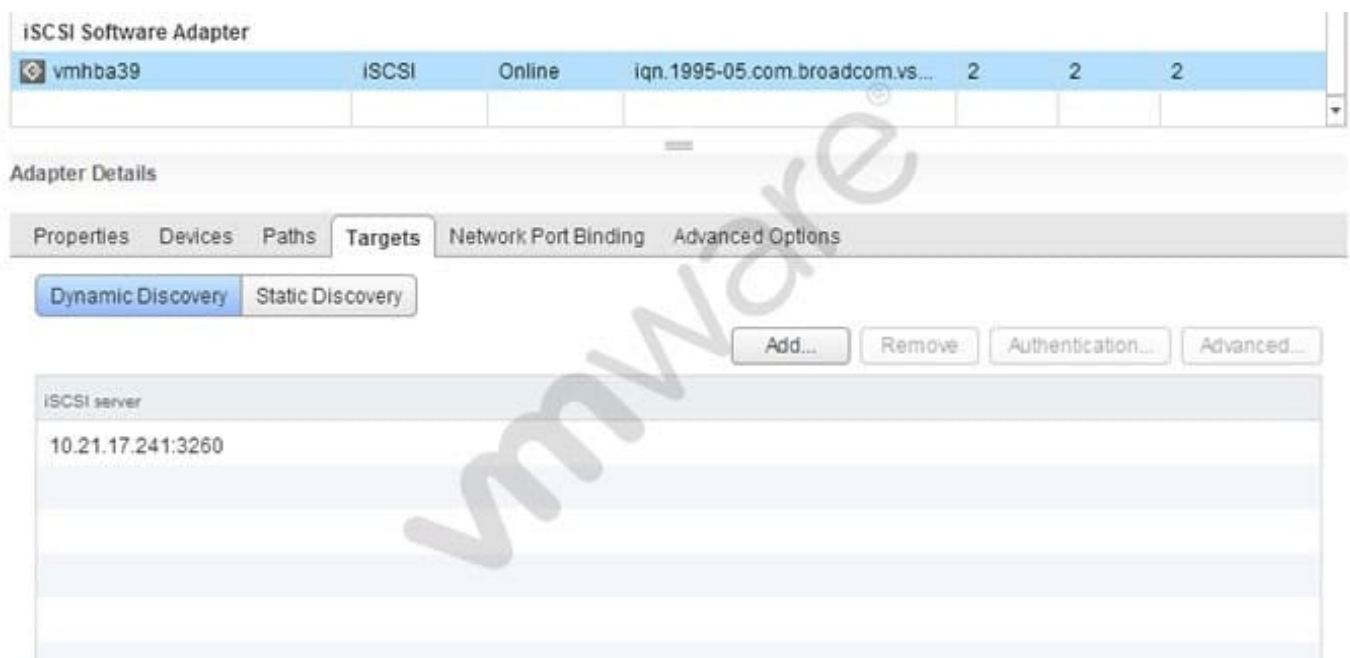
Correct Answer: B

If an object inherits permissions from two parent objects, the permissions on one object are added to the permissions on the other object. For example, if a virtual machine is in a virtual machine folder and also belongs to a resource pool, that virtual machine inherits all permission settings from both the virtual machine folder and the resource pool.

Reference: <https://pubs.vmware.com/vsphere-55/index.jsp?topic=%2Fcom.vmware.vsphere.security.doc%2FGUID72E53449-79FD-4E7A-B164-26904958540F.html>

### QUESTION 3

Refer to the Exhibit.



Which tab shows the Hardware Acceleration support status?

- A. Devices
- B. Properties
- C. Paths
- D. Advanced Options

Correct Answer: A

To know the detailed info about the tab:

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 Supported after the host successfully performs the offload basic operations. If the offload operation fails, the status changes to Not Supported.

Check link KB: [https://kb.vmware.com/selfservice/microsites/search.do?](https://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKCa&externalId=1021976)

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#### QUESTION 4

Users are reporting CPU related performance problems on the virtual machine Email-Prod throughout the day.

The resource settings for the VM and the ESXi host the VM is running on are shown below: VM:

1.

Email-Prod

2.

vCPUs: 4

3.

Memory: 96GB

ESXi host:

1.

CPU: 2 x 8 Core Processors

2.

Memory: 128GB

3.

NUMA architecture. 2 Nodes

Which two options would alleviate the observed performance problem for Email-Prod? (Choose two.)

- A. Enable the advanced parameter Numa.PageMigEnable.
- B. Enable the advanced parameter Numa.AutoMemAffinity.
- C. Enable CPU affinity to separate 2 vCPUs for each NUMA node.
- D. Enable CPU affinity to bind all vCPUs to one NUMA node.



Correct Answer: BC

B-) Memory

You can change the amount of RAM that a VM will use like this

```
memsize = "128"
```

If you don't assign a value for memory VMware will use the default-setting which is 32MB

```
memsize = "32"
```

Whenever you assign RAM manually make sure the value is a multiple of 4 - otherwise the VM will not

start:

```
memsize = "255"
```

causes this error-message:

Memory size 255 not a multiple of 4

<https://pubs.vmware.com/vsphere-60/index.jsp#com.vmware.vsphere.hostclient.doc/GUID-99E66B5953A8-42D0-A08F-17DBE7D4A864.html?resultof=%2522>

C-) This is expected behavior based on the current architecture of the scheduler. However, these points

help to limit the impact of the issue :Lower the number of vCPUs. From the example above, you would

lower the number of vCPUs from 8 to 6 or less. If the virtual machines are sized such that they are a whole

multiple or divisor of the NUMA node size, this helps with the number of virtual machines that you can

power on. If 6 vCPU virtual machines are used, you can run up to at least 8 of those virtual machines (with

100% CPU utilization) without incurring substantial ready times.

<https://www.vmware.com/files/pdf/.../VMware-PerfBest-Practices-vSphere6-0.pdf>

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## QUESTION 5

To reduce the attack vectors for a virtual machine, which two settings should an administrator set to false? (Choose two.)

A. ideX:Y.present

B. serial.present

C. vmnicX:Y.present

D. keyboard.present

Correct Answer: AB



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