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**Vendor:** VMware

**Exam Code:** 2V0-621D

**Exam Name:** VMware Certified Professional 6 – Data  
Center Virtualization Delta Beta

**Version:** Demo

## DEMO

### QUESTION 1

Refer to the Exhibit.

```
[root@ds-lab-vsan12:~]# esxcli storage nmp psp roundrobin deviceconfig set --useano=0 -d naa.600000e00d11000000111cd2000f0000
```

An administrator is configuring a storage device as shown in the Exhibit.

What is the expected effect on the stated device after running the command?

- A. I/O will rotate on all storage targets regardless of port group state.
- B. I/O will rotate on all storage targets that are Active Optimized state only.
- C. I/O will rotate on all storage targets that are Active Unoptimized state only.
- D. I/O will rotate on all storage targets that are on Available Nodes only.

**Correct Answer:** B

### QUESTION 2

What three supported methods can be used to upgrade a host from ESXi 5.x to ESXi 6.x? (Choose three.)

- A. vSphere Update Manager
- B. vihostupdate
- C. esxcli
- D. vSphere Auto Deploy
- E. esxupdate

**Correct Answer:** ACD

### QUESTION 3

An administrator is upgrading a vCenter Server Appliance and wants to ensure that all the prerequisites are met.

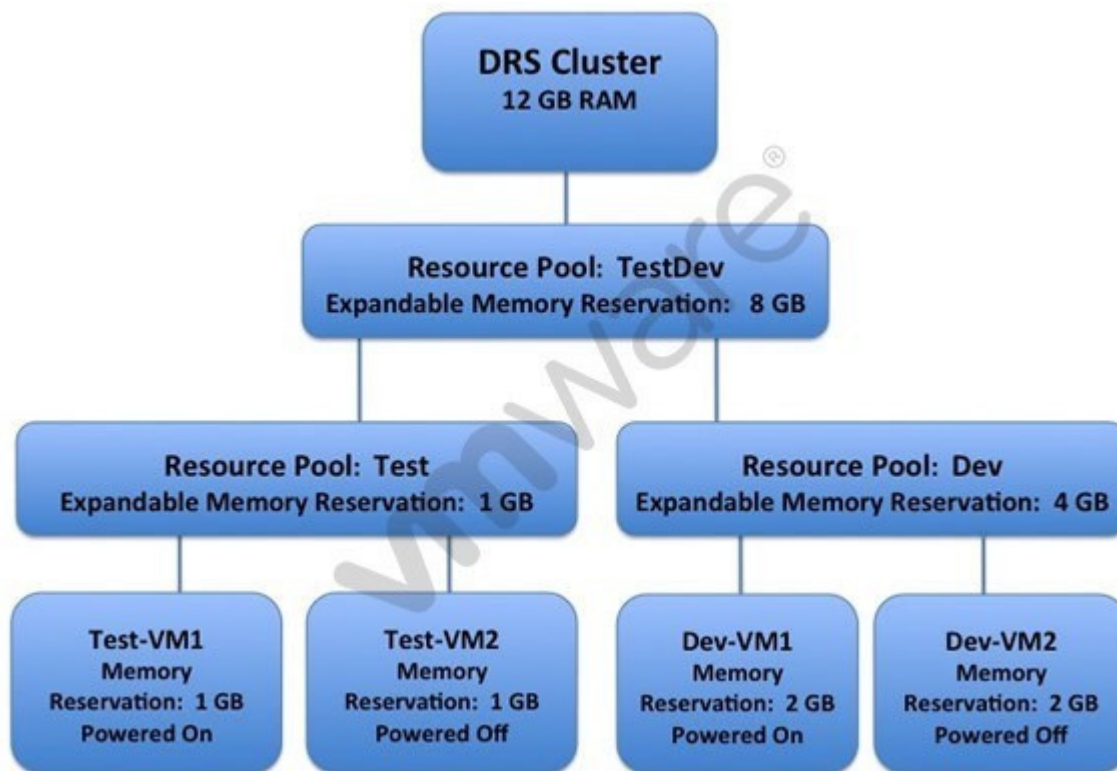
What action must be taken before upgrading the vCenter Server Appliance?

- A. Install the Client Integration Plug-in.
- B. Install the database client.
- C. Install the ODBC connector.
- D. Install the Update Manager Plug-in.

**Correct Answer:** A

### QUESTION 4

Refer to the Exhibit.



An administrator has configured a vSphere 6.x DRS cluster as shown in the Exhibit.

Based on the exhibit, which statement is true?

- A. A virtual machine can be powered on in the Test Resource Pool with a 6 GB Memory Reservation.
- B. A virtual machine can be powered on in the Dev Resource Pool with a 8 GB Memory Reservation.
- C. A virtual machine from both the Test Resource Pool and the Dev Resource Pool can be powered on with a 4 GB Memory Reservation.
- D. No more virtual machines can be powered on due to insufficient resources.

**Correct Answer:** A

#### QUESTION 5

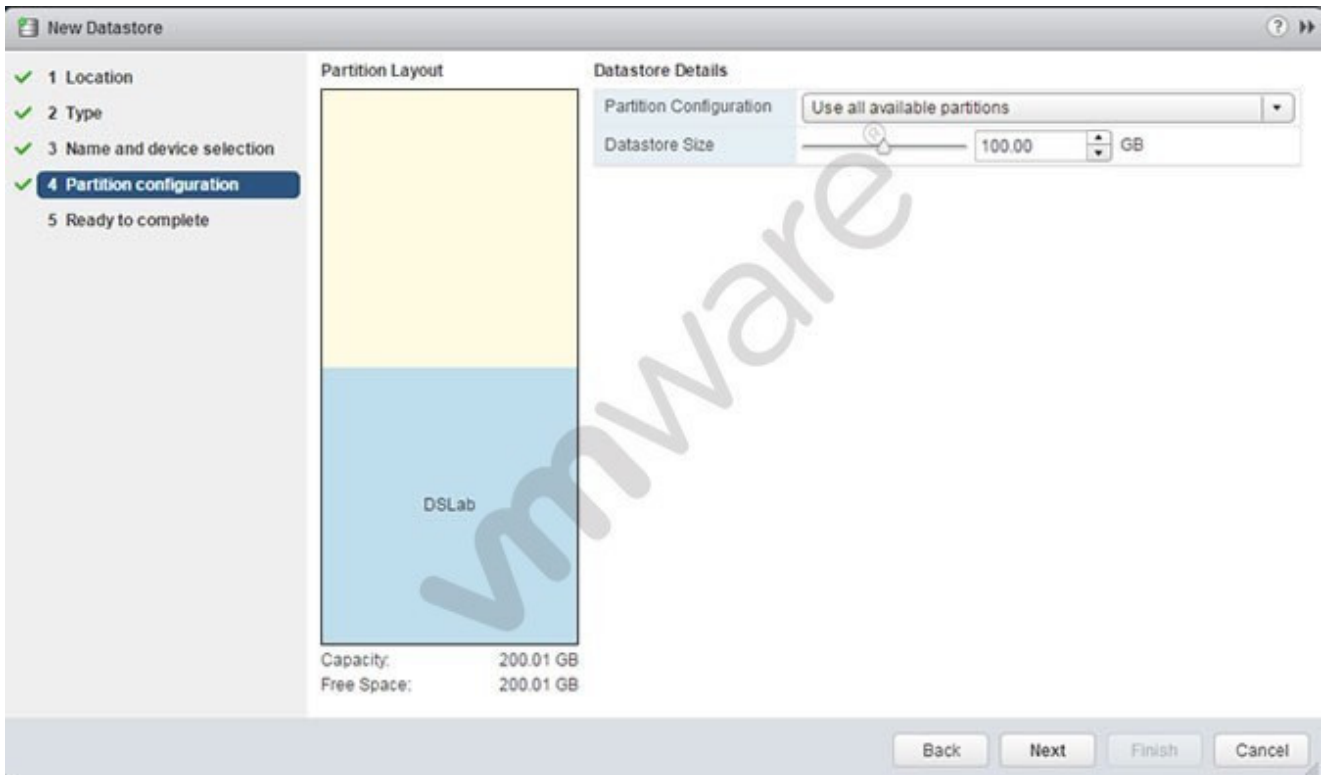
When importing an existing SSL certificate into vSphere Replication Server, which file format is required?

- A. PKCS#12
- B. DER
- C. PEM
- D. PKCS#7

**Correct Answer:** A

#### QUESTION 6

Refer to the Exhibit.



What will be created upon completion of the steps in this wizard?

- A. 100GB VMFS5 datastore with free space available for expansion
- B. 100GB VMFS5 datastore with free space available for a second datastore
- C. 100GB VMFS3 datastore
- D. 200.01 GB VMFS5 datastore

**Correct Answer: A**

#### QUESTION 7

Which condition would cause a vCenter Server installation to fail when installing on a Windows virtual machine?

- A. The virtual machine does not have at least four vCPUs.
- B. The virtual machine is running Windows Server 2008.
- C. The virtual machine has an E1000 network device.
- D. The virtual machine does not have 16GB of RAM.

**Correct Answer: B**

#### QUESTION 8

An administrator notices that the time on an ESXi 6.x host is incorrect.

Which two actions should the administrator take to correct this issue? (Choose two.)

- A. Modify the time for the host using the vSphere client.
- B. Correct the NTP settings in the `/etc/ntp.conf` file.
- C. Configure NTP from the Direct Console User Interface.
- D. Use the `vicfg-ntp` command from the vSphere Management Appliance.

**Correct Answer: AB**

#### QUESTION 9

An administrator is able to manage an ESXi 6.x host connected to vCenter Server using the vSphere Web Client but is unable to connect to the host directly.

Which action should the administrator take to correct this behavior?

- A. Restart management agents on the ESXi host.
- B. Disable Lockdown Mode on the ESXi host through vCenter Server.
- C. Disable the ESXi firewall with the command `esxcli network firewall unload`.
- D. Reboot the ESXi host.

**Correct Answer:** B

#### QUESTION 10

An administrator wants to power on a virtual machine (VM) while connected to an ESXi host using SSH.

The VM has the following Name and ID:

- VM Name = SQL001
- VMID = 12345

Which command would successfully power on the virtual machine?

- A. `vim-cmd vmsvc/power.on 12345`
- B. `vim-cmd vmsvc/power.on SQL001`
- C. `vmware-vim-cmd vmsvc/power.on 12345`
- D. `vmware-vim-cmd vmsvc/power.on SQL001`

**Correct Answer:** A

#### QUESTION 11

An administrator is observing slow performance of the vCenter Inventory Service and observes the entries from the `wrapper.log` file:

```
Exception in thread "tomcat-exec-2" java.lang.OutOfMemoryError: Java heap space  
Exception in thread "http-bio-0.0.0.0-10443-Acceptor-0" java.lang.OutOfMemoryError: Java heap space
```

What should the administrator do to resolve the problem?

- A. Increase the memory resources of the vCenter Server.
- B. Increase the values using `cloudvm-ram-size`.
- C. Increase the memory resources of the Platform Services Controller.
- D. Increase the `wrapper.java.maxmemory` value in `wrapper.conf`.

**Correct Answer:** A

#### QUESTION 12

Which three troubleshooting actions should an administrator take to address slow performance when deploying a virtual machine template? (Choose three.)

- A. Increase network throughput by adding additional uplinks to the vSwitch.
- B. Change the destination datastore or volume for the virtual machine template.
- C. Configure a Provisioning Traffic vmkernel port to perform the deployment operation.
- D. Reduce the size of the virtual machine template's virtual disk.
- E. Deploy the virtual machine template to the cluster and allow Distributed Resource Scheduler to register the virtual machine.

**Correct Answer:** ABC

#### QUESTION 13

An administrator uses the `df -h` command and notices that an NFS datastore is reporting a capacity of 0 Bytes.

What condition would cause this to occur?

- A. The NFS server on which the datastore resides is down.
- B. The datastore was mounted as Read/Write.
- C. The datastore was mounted as Read-Only.
- D. The datastore was created with NFS version 4.1.

**Correct Answer:** A

#### QUESTION 14

After configuring a Virtual SAN cluster, an administrator using the vSphere Web Client notices that the Virtual SAN datastore is smaller than expected. The cluster contains:

- Three ESXi hosts
- Each host has one 10GB SDD
- Each host has one 100GB HDD

Why would the Virtual SAN datastore show as 100GB instead of 300GB?

- A. There is a network problem with the Virtual SAN vmkernel ports.
- B. The Virtual SAN VASA provider is disabled.
- C. vSphere High Availability is enabled on the Virtual SAN cluster.
- D. The Virtual SAN cluster must be managed using the vSphere Web Client.

**Correct Answer:** A

#### QUESTION 15

An administrator attempts to place a Storage DRS enabled Datastore into Maintenance Mode. The task never completes, and the Entering Maintenance Mode status remains at 1%.

Which two actions should the administrator take to resolve this problem? (Choose two.)

- A. Set the Storage DRS advanced option `IgnoreAffinityRulesForMaintenance = 1`.
- B. Set the Storage DRS advanced option `IgnoreAffinityRulesForMaintenance = 0`.
- C. Disable Storage DRS affinity rules associated with this datastore cluster.
- D. Enable Storage DRS affinity rules associated with this datastore cluster.

**Correct Answer:** AC

#### QUESTION 16

An administrator has migrated a vCenter Server Appliance from version 5.5 to version 6.x. During the migration, the administrator selected DHCP for the appliance and obtained a hostname from the DHCP server. The administrator adjusts the hostname after the migration and uses a static IP and hostname.

What should the administrator do immediately after this change to prevent service failures?

- A. Regenerate the SSL certificates.
- B. Re-register components to Single Sign-On.
- C. Update the `/etc/hosts` file.
- D. Execute the command `services.restart vmware-vpxd`.

**Correct Answer:** A

#### QUESTION 17

A failed upgrade from vCenter Server version 5.x to version 6.0 produces the following error:

[00800 error 'Default'] Database version id '600' is incompatible with this release of VirtualCenter.

What is the cause of the upgrade failure?

- A. There was a database schema upgrade failure during the installation.
- B. The VMWAREVCMDS service was upgraded before the vCenter Server service.
- C. The VMware Directory Service database failed during the installation.
- D. There was an incompatible ODBC driver version for the database.

**Correct Answer:** A

#### **QUESTION 18**

An administrator has a virtual machine configured with the following settings:

- ESXi version: 5.1
- CPU: vCPUs 6
- Memory: 48GB
- Hardware version: 7
- VMware Tools: Installed

Which two actions must the administrator take in order to utilize vNUMA? (Choose two.)

- A. Upgrade the ESXi host to vSphere 5.5 or later.
- B. Upgrade to Virtual Hardware version 8.
- C. Configure numa.vcpu.min to 5
- D. Configure numa.vcpu.min to 6

**Correct Answer:** BC

#### **QUESTION 19**

A virtual machine is exhibiting these symptoms:

- Memory usage is constantly high (94% or greater) or constantly low (24% or less).
- Free memory is consistently 6% or less and swapping frequently occurs.

Which three solutions could correct this problem? (Choose three.)

- A. Verify that VMware Tools is installed on each virtual machine.
- B. Decrease the memory reservation setting, if higher than active memory.
- C. Add physical memory to the host.
- D. Disable the balloon driver in each virtual machine.
- E. Create a memory limit for each virtual machine.

**Correct Answer:** ABC

#### **QUESTION 20**

An administrator notices that a Windows virtual machine is using 95% CPU in Task Manager.

Which two actions should be taken to resolve this issue? (Choose two.)

- A. Increase the memory reservation of the virtual machine.
- B. Increase the CPU Shares on the resource pool where the virtual machine resides.
- C. Decrease the CPU reservation of the virtual machine.
- D. Increase the CPU limit on the resource pool where the virtual machine resides.

**Correct Answer:** BD

#### **QUESTION 21**

An administrator is attempting to enable Legacy Fault Tolerance (FT) on a virtual machine and observes

the following in the vSphere Web Client:

Fault Tolerance has not been licensed on host <hostname>.

What is the minimum licensed edition that supports this configuration?

- A. Standard
- B. Enterprise
- C. Enterprise Plus
- D. Essentials Plus

**Correct Answer:** A

#### **QUESTION 22**

Which two scenarios would cause a Fault Tolerance-enabled virtual machine to fail to power the Secondary virtual machine? (Choose two.)

- A. The host has entered a Network Partitioned state.
- B. vSphere High Availability (HA) is disabled on the host cluster.
- C. Enhanced vMotion Compatibility (EVC) is enabled on the host cluster.
- D. vSphere Distributed Power Management (DPM) is enabled on the host cluster.

**Correct Answer:** AB

#### **QUESTION 23**

Which two are valid compliance results that indicate the need to apply a Host Profile? (Choose two.)

- A. Non-compliant
- B. Inconsistent
- C. Unknown
- D. Disconnected

**Correct Answer:** AC

#### **QUESTION 24**

An administrator needs to migrate a legacy physical application server to a virtual machine within a vSphere 6 cluster. As part of the conversion, the administrator must reduce the size of the virtual disks.

What action should the administrator take to create a virtual machine with smaller virtual disks than the original physical server?

- A. Shut down the physical server and use VMware Converter cold cloning with volume-based cloning at the disk level.
- B. Use VMware Converter hot cloning with volume-based cloning at the block level.
- C. Shut down the physical server and use VMware Converter cold cloning with volume-based cloning at the file level.
- D. Use VMware Converter hot cloning with volume-based cloning at the file level.

**Correct Answer:** D

#### **QUESTION 25**

Refer to the Exhibit.

The number of vSphere HA heartbeat datastores for this host is 1, which is less than required: 2



An administrator receives the error message shown in the Exhibit.

Which two actions can be taken to clear the warning? (Choose two.)

- A. Add a Virtual SAN datastore and configure it for High Availability heartbeating.
- B. Set the advanced High Availability parameter Das.heartbeatdsperhost to 1.
- C. Set the advanced High Availability parameter Das.ignoreInsufficientHbDatastore to true.
- D. Add a shared datastore and reconfigure High Availability.

**Correct Answer:** CD

**QUESTION 26**

A vSphere 6 High Availability cluster has been configured with default settings. Four virtual machines in the cluster have been configured with these priorities:

- Prod-DB. High
- Prod-Email: High
- Prod-VC. Medium
- Dev-VDI: Low

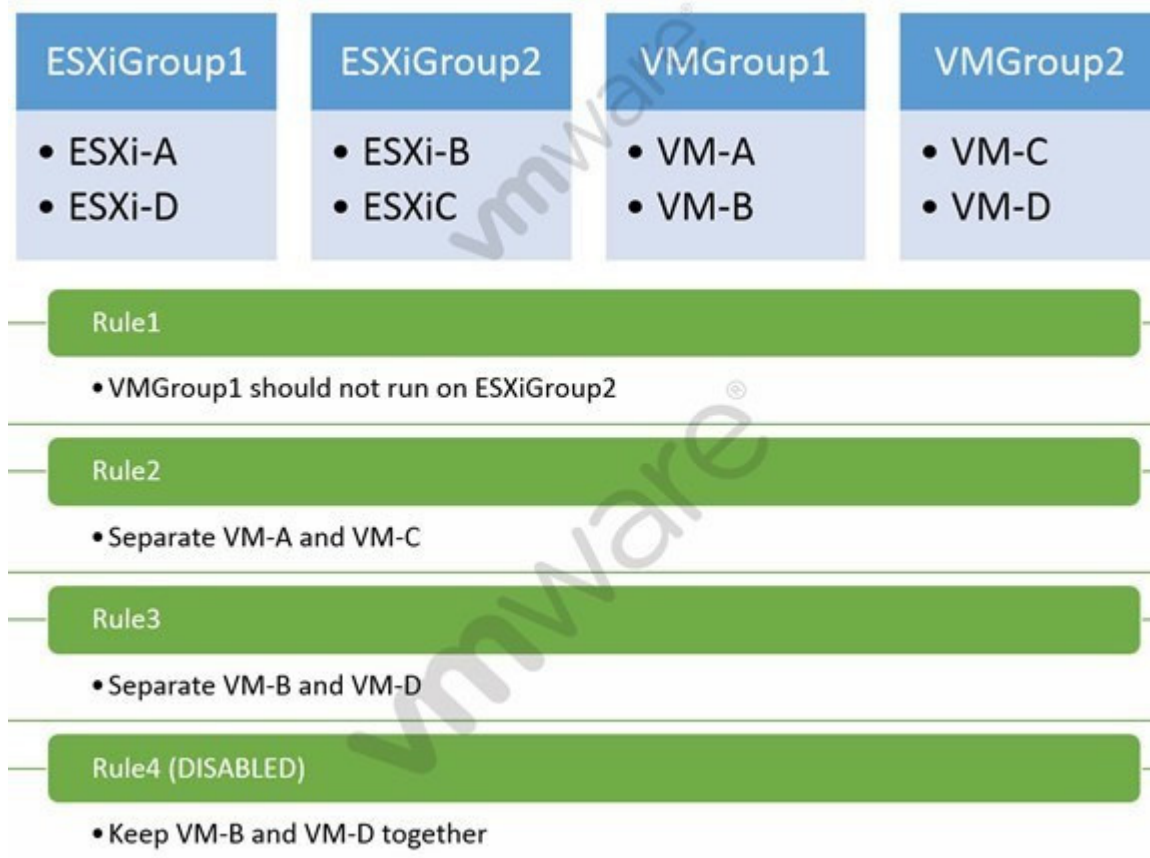
How many VM Overrides would need to be defined at the cluster level to meet the restart priorities?

- A. 1
- B. 2
- C. 3
- D. 4

**Correct Answer:** B

**QUESTION 27**

Refer to the Exhibit.



An administrator has configured Distributed Resource Scheduler (DRS) groups and Affinity Rules as shown in the Exhibit.

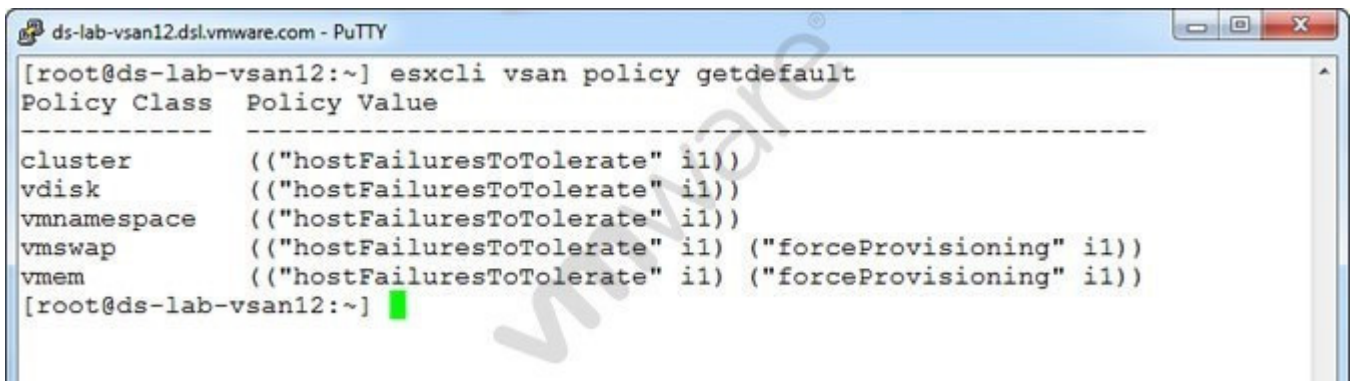
Based on the exhibit, which two statements are true? (Choose two.)

- A. If ESXi-A and ESXi-D failed, VM-A and VM-B would not failover.
- B. A new conflicting affinity rule will be disabled by default.
- C. VM-B and VM-D can run on the same hosts.
- D. The administrator must disable Rule3 in order to enable Rule4.

**Correct Answer:** BD

### QUESTION 28

Refer to the Exhibit.



```
ds-lab-vsan12.dsl.vmware.com - PuTTY
[root@ds-lab-vsan12:~] esxcli vsan policy getdefault
Policy Class  Policy Value
-----
cluster      (( "hostFailuresToTolerate" i1))
vdisk        (( "hostFailuresToTolerate" i1))
vmnamespace  (( "hostFailuresToTolerate" i1))
vmswap       (( "hostFailuresToTolerate" i1) ("forceProvisioning" i1))
vmem         (( "hostFailuresToTolerate" i1) ("forceProvisioning" i1))
[root@ds-lab-vsan12:~] █
```

An administrator recently created a Virtual SAN but no Storage Policies were defined. A few virtual machines were deployed to this cluster. The administrator analyzes the default Virtual SAN policy as shown in the Exhibit.

Based on the exhibit, which two statements are true? (Choose two.)

- A. Losing one cluster node will not affect data availability.
- B. Losing one Hard Disk in a cluster node will not affect data availability.
- C. Creating a virtual machine Swap file will fail if it violates default storage policy.
- D. Creating a virtual machine will succeed even if it violates default storage policy.

**Correct Answer:** AB

### QUESTION 29

Refer to the Exhibit.

-- Exhibit --



Review the Exhibit. An administrator has configured permissions for a group called VMGroup and a user named VMUser. A new Role has been created called PowerVM. The group and role have these characteristics:

- PowerVM role can power on VMs
- VMGroup granted PowerVM role on VMFolder
- VMUser is a member of VMGroup
- VMUser granted No Access on VMFolder

Based on the exhibit, which statement best explains why VMUser is denied access to the VMFolder?

- A. The VMUser permission overrides the VMGroup permission.
- B. The No Access role overrides the PowerVM role.
- C. The VMGroup permission overrides the VMUser permission.
- D. The PowerVM role overrides the No Access role.

**Correct Answer: A**

**QUESTION 30**

Refer to the Exhibit.

**VM/Host Rules**

Add... Edit... Delete

Name	Type	Enabled	Conflicts	Defined By
Marketing Rule	Run VMs on Hosts	No	0	User

**VM/Host Rule Details**

Virtual Machines that are members of the VM Group should run on hosts that are members of the Host Group.

Add... Remove Add... Remove

<b>Marketing Group Members</b>	<b>Primary Group Members</b>
Marketing	10.21.38.106

**vSphere HA Rule Settings** Edit...

vSphere HA can enforce VM/Host rules when restarting virtual machines.

VM anti-affinity rules	vSphere HA must respect rules during failover
VM to Host affinity rules	vSphere HA should respect rules during failover

An administrator manages a High Availability (HA)/Distributed Resource Scheduler (DRS)- enabled cluster and has configured the affinity rule shown in the Exhibit.

Which two statements best describe the configuration shown in the exhibit? (Choose two.)

- A. HA will not failover Marketing to ESXi hosts that are not in the Host Group.
- B. HA will failover Marketing to ESXi hosts that are not in the Host group.
- C. DRS will attempt to keep Marketing on the ESXi host 10.21.38.106.

D. DRS will not attempt to keep Marketing on the ESXi host 10.21.28.106.

**Correct Answer:** BD

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