

# 2V0-621 - VMware Certified Professional 6 – Data Center Virtualization

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1. What is the minimum Virtual Hardware version required for vFlash Read Cache?

- A. Version 8
- B. Version 9
- C. Version 10
- D. Version 11

**Answer: C**

2. An administrator wants to prevent a priority virtual machine that resides in a vSphere DRS cluster from migrating to other hosts in the cluster.

What configuration step will accomplish this without affecting other virtual machines?

- A. Set VM Overrides to Partially Automated.
- B. Set VM Overrides to Manual.
- C. Configure a VM/Host Rule with the setting Must run on hosts in group.
- D. Configure a VM/Host Rule with the setting Should run on hosts in group.

**Answer: B**

3. Which two identification sources can a vSphere Auto Deploy rule use to identify target hosts? (Choose two.)

- A. Processor Serial Number
- B. Security Identifier
- C. SMBIOS information
- D. BIOS UUID

**Answer: C,D**

4. An administrator observes the following symptoms for a virtual machine:.

CPU usage is consistently above 90%

CPU ready value is consistently above 20%.

Application performance is impacted.

Which two actions should the administrator take to improve the performance of this virtual machine? (Choose two.)

- A. Increase the number of vCPUs assigned to this virtual machine.
- B. Decrease the number of vCPUs assigned to this virtual machine.
- C. Verify that VMware Tools is installed on every virtual machine on the host.
- D. Increase the CPU shares assigned to the virtual machine.

**Answer:** C,D

5. An administrator is unable to start the vCenter Server service..The vpxd.log file shows this service failure:

```
[13308 error '\Default\ opID=622892-371bf717] CoreDump: Unable to write minidump
```

```
[13308 error '\Default\ opID=622892-371bf717] error -2147024784 : There is not enough space on the disk.
```

What is preventing the start of the service?

- A. Insufficient space on the vCenter Server
- B. Insufficient space on the Database Server
- C. Insufficient space on the VMFS volume
- D. Insufficient space on the ESXi ramdisk

**Answer:** A

6. 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.

**Answer:** A

7. 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:

Email-Prod

vCPUs: 4

Memory: 96GB

ESXi host:

CPU: 2 x 8 Core Processors

Memory: 128GB

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.

**Answer:** B,C

8. Which secondary Private VLAN (PVLAN) type can communicate and send packets to an Isolated PVLAN?

- A. Community
- B. Isolated
- C. Promiscuous
- D. Primary

**Answer:** C

9. An administrator is having a problem configuring Storage I/O Control on a Datastore.

Which two conditions could explain the issue? (Choose two.)

- A. A host is running ESXi 4.0.
- B. An ESXi host does not have appropriate licensing.
- C. The vCenter Server version is 5.0.
- D. The vCenter Server License is Standard.

**Answer:** A,B

10. Attempting to update an ESXi 6.x host using the following command:

```
esxcli software vib update -d update.zip
```

Generates the following error:

```
Could not download from depot at /tmp/index.xml, skipping ((\tmp/index.xml\, \\", "[Errno 4] IOError:") url = /tmp/index.xml
```

What action should be taken to correct the problem?

- A. Add the full file path to the command.
- B. Use the update option instead of install.
- C. Use the switch -d instead of -v.
- D. Replace esxcli with esxupdate.

**Answer:** A

11. Refer to the Exhibit.

-- Exhibit --

An administrator has created the DRS cluster shown in the Exhibit.

Based on the exhibit, which statement is true?

- A. Under CPU contention, Prod-VM1 receives four times the CPU resources than Test-VM1.
- B. The Prod-VM1 will always have more CPU resources than all other virtual machines.
- C. The Test-VM2 will always have less CPU resources than all other virtual machines.
- D. Under CPU contention, Test-VM1 will receive 25% of the total CPU resources.

**Answer: A**

12. Which three options are available for ESXi Certificate Replacement?.(Choose three.)

- A. VMware Certificate Authority mode
- B. Custom Certificate Authority mode
- C. Thumbprint mode
- D. Hybrid Deployment
- E. VMware Certificate Endpoint Authority Mode

**Answer: A,B,C**

13. When a Content Library is deleted, what happens to the files contained on the backing storage?

- A. The files will be unchanged.
- B. The files will be deleted.
- C. The files will remain and be marked as orphaned.
- D. The containing folder will be marked as orphaned.

**Answer: B**

14. An administrator needs two vCenter Servers to be visible within a single vSphere Web Client session.

Which two vCenter Server and Platform Services Controller (PSC) configurations would accomplish this?  
(Choose two.)

- A. Install a single PSC with two vCenter Servers registered to it.
- B. Install two PSCs in the same Single Sign-On domain with one vCenter Server registered to each PSC.
- C. Install a single PSC with two vCenter Servers registered to it and configure Linked Mode.
- D. Install two PSCs in the same Single Sign-On domain with one vCenter Server registered to each PSC and configure Linked Mode.

**Answer: A,B**

15. An administrator runs the command `esxcli storage core device list` and sees the following output:

```
mpx.vmhba1:C0:T0:L0 DisplayName:RAID 5 (mpx.vmhba1:C0:T0:L0) Has Settable
```

```
DisplayName:false Size:40960 DeviceType: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 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.

**Answer: B**

16. In a vSphere High Availability cluster, what is the `VM.Monitoring.I/O.stats.interval.default` value?

- A. 60 seconds
- B. 90 seconds
- C. 120 seconds
- D. 180 seconds

**Answer: C**

17. An administrator is troubleshooting network communications between the vCenter Server and the ESXi 6.x host.

Which log shows the interaction events between these components?

- A. `/var/log/syslog.log`
- B. `/var/log/hostd.log`
- C. `/var/log/vpxa.log`
- D. `/var/log/fdm.log`

**Answer: C**

18. Which two scenarios could cause Storage DRS to be disabled on a Virtual Disk (VMDK)? (Choose two.)

- A. The VMDK is an independent disk.
- B. The virtual machine has vSphere Fault Tolerance enabled.
- C. The VMDK is hosted on NFS storage.
- D. The virtual machine has a CD-ROM/ISO image connected.

**Answer:** A,B

19. An administrator is unable to see performance statistics for only the Past Week performance data. The vCenter Server is using a Microsoft SQL Server Database.

What are three likely causes contributing to this issue? (Choose three.)

- A. Performance statistics are turned off.
- B. The Past Day rollup job is not present.
- C. The stats\_rollup\_1\_proc is not present.
- D. The VMware Performance Charts Service is stopped.
- E. The JDBC URL is incorrect in the vcdb.properties file.

**Answer:** A,B,C

20. A user notifies an administrator that Content Libraries are not visible.

What is a possible solution?

- A. Assign the user the read-only role at the global permission level.
- B. Assign the user the read-only role at the vCenter Server root level.
- C. Assign the user the read-only role at the vCenter Server data center level.
- D. Assign the user the read-only role at the vCenter Server cluster level.

**Answer:** A



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