



2V0-21.23^{Q&As}

VMware vSphere 8.x Professional

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**QUESTION 1**

Which solution can be used to automatically deploy a fully configured VMware software-defined data center (SDDC)? (Choose the best answer.)

- A. vCenter Server
- B. vRealize Suite
- C. vSphere Lifecycle Manager
- D. VMware Cloud Foundation

Correct Answer: D

QUESTION 2

A vSphere environment is configured with 1 Gigabit Ethernet for vSphere vMotion. The application team is complaining that when they try to migrate a powered-on virtual machine, the progress is slow and unsuccessful the majority of the time.

Which two recommendations should the administrator make to improve vSphere vMotion performance? (Choose two.)

- A. Use at least two port groups.
- B. Use vSphere Storage I/O Control (SIOC).
- C. Use 10 Gigabit Ethernet or above.
- D. Use Link Aggregation Control Protocol (LACP) on the port group.
- E. Disable vSphere Fault Tolerance.

Correct Answer: CE

QUESTION 3

Which two statements are true regarding the use of firmware update packages in vSphere Lifecycle Manager? (Choose two.)

- A. A hardware support manager must be registered as a vCenter Server extension.
- B. The firmware and drivers add-on are distributed through the official VMware online depot.
- C. The firmware and drivers add-on can be used on clusters that are managed with baselines.
- D. The firmware and drivers add-on can add or remove components from the ESXi base image.
- E. The firmware and drivers add-on is provided by a third-party vendor.

Correct Answer: AD



Reference:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere-lifecycle-manager.doc/GUID-34AF5B19-FC80-4915-8358-D5FCC8A8E69E.html>

QUESTION 4

An administrator receives an escalation to investigate a low disk space alarm on a datastore. The administrator discovers that a snapshot has been accidentally taken on a production, write-intensive database server. The snapshot has grown to nearly 1 TB in size in less than an hour and continues growing every second.

Which behavior should the administrator expect while deleting the snapshot? (Choose the best answer.)

- A. ESXi will create a virtual RAM disk to cache ongoing database write activity; performance impact will be limited.
- B. ESXi will commit the snapshot delta disk into the base disk; ongoing database write activity could result in long stun times.
- C. ESXi will merge the snapshot delta disk into the base disk; the virtual machine will be briefly stunned.
- D. ESXi will instantly switch from the base disk to the snapshot delta disk with no performance impact.

Correct Answer: B

QUESTION 5

What is the foundation of a software-defined data center (SDDC)? (Choose the best answer.)

- A. vRealize Operations Manager
- B. vSphere
- C. vSAN
- D. NSX

Correct Answer: B

Reference: <https://www.vmware.com/solutions/software-defined-datacenter.html#:~:text=as%2050%20percent%2C,vSphere,point%20for%20building%20your%20SDDC>

QUESTION 6

Which step can an administrator take so that vSphere can access patch information if vCenter Server does NOT have Internet access? (Choose the best answer.)

- A. Use a Web server on the vCenter Server machine to automate the transfer of files.
- B. Install VMware vSphere Update Manager Download Service on a Windows server.
- C. Use an offline ISO file to import patches to the vSphere Lifecycle Manager depot manually.



D. Install VMware vSphere Update Manager Download Service on a Linux server.

Correct Answer: D

QUESTION 7

Exhibit switch

Host Name	State
sa-esxi-01.vclass.k	Connected

VLAN	MTU	Teaming and Failover
Status		? Unknown
Details		--

An administrator configures a distributed switch and adds the first VMware ESXi server to it.

The administrator also performs the following activities:

The administrator assigns two uplinks to the distributed switch.

The administrator enables uplink teaming.

When attempting to perform a health check of the teaming policy, the health status of the Teaming and Failover reports as '\ Unknown?', as seen in the exhibit.

What can the administrator changes in the distributed switch for the health status to report correctly?

- A. Add a minimum of three hosts with two uplinks each
- B. Add a minimum of two hosts with two uplinks each
- C. Add a minimum of three hosts with four uplinks each
- D. Add a minimum of two hosts with one uplink each

Correct Answer: B



QUESTION 8

When configuring vCenter High Availability (HA), which two statements are true regarding the active, passive, and witness nodes? (Choose two.)

- A. Network latency must be less than 10 milliseconds.
- B. They must have a supported Wide Area Network (WAN).
- C. They must have a minimum of a 10 Gbps network adapter
- D. They must have a minimum of a 1 Gbps network adapter.
- E. Network latency must be more than 10 milliseconds.

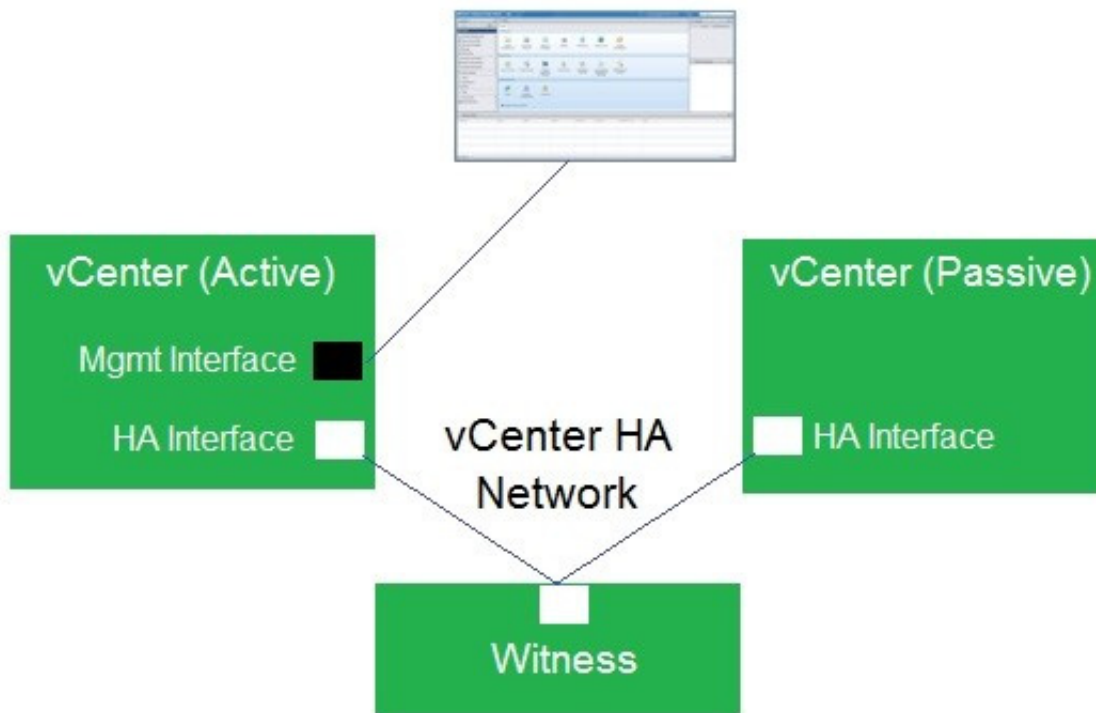
Correct Answer: AD

Explanation: When configuring vCenter High Availability (HA), two of the requirements for the active, passive, and witness nodes are that network latency must be less than 10 milliseconds, which ensures reliable communication between them; and they must have a minimum of a 1 Gbps network adapter, which provides sufficient bandwidth for data replication.

References: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.avail.doc/GUID-F01B2F12-C5BB-4C5C-B468-F3C70CA43635.html>

QUESTION 9

Refer to the exhibit.



Which element is missing from this vCenter High Availability (HA) cluster? (Choose the best answer.)

- A. A secondary witness node
- B. The management interface on the passive node
- C. The connection between the active and passive nodes
- D. The management interface and connection on the witness node

Correct Answer: C

Reference: <https://nolabnparty.com/en/vmware-vcenter-high-availability-setup-pt-1/>

QUESTION 10

An administrator is asked to segregate virtual machine (VM) traffic by VLAN on a vSphere standard switch. The following requirements must be met:

VLAN ID on the switch port group must be 4095. VLAN tagging must be done at the VM level.

Which tagging mode is required?

- A. External Switch Tagging (EST)
- B. None
- C. Virtual Guest Tagging (VGT)
- D. Virtual Switch Tagging (VST)



Correct Answer: C

Explanation: The tagging mode that is required is Virtual Guest Tagging (VGT), which allows VLAN tagging to be done at the VM level. VGT requires that the VLAN ID on the switch port group be set to 4095, which is a special value that indicates that packets from all VLANs are allowed to pass through.

References: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.networking.doc/GUID-D35A0A1C-B638-4819-A099-E3A8D18F7CC8.html> <https://kb.vmware.com/s/article/1003806>

QUESTION 11

An administrator receives reports from the application team of poor performance of a virtual machine (VM). The administrator reviews the virtual machine and discovers that it has 20 snapshots that are over 12 months old.

What could the administrator do to improve the VM's performance?

- A. Inflate the base disk to make space for future snapshots.
- B. Revert to the latest snapshot.
- C. Consolidate all of the snapshots into the base VM.
- D. Identify and delete the largest delta .vmdk file.

Correct Answer: C

<https://4sysops.com/archives/performance-impact-of-snapshots-in-vmware-vsphere-7/#:~:text=As%20you%20know%2C%20snapshots%20affect,time%20you%20took%20the%20snapshot.>

QUESTION 12

Which two tasks can be completed using vSphere LifeCycle Manager? (Choose two.)

- A. Manage the firmware lifecycle of ESXi hosts that are part of a managed cluster with a single image.
- B. Check that the ESXi hosts are compliant with the recommended baseline and update the hosts
- C. Upgrade VMware vCenter from version 7 to 8.
- D. Check the hardware compatibility of the hosts in a cluster against the VMware Compatibility Guide (VCG) using baselines.
- E. Manage the firmware lifecycle of ESXi hosts are part of a managed cluster using baselines

Correct Answer: BE

Explanation: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere-lifecycle-manager.doc/GUID-774C3626-332C-4C3E-BC9B-AE648E78CA89.html#:~:text=In%20the%20Image%20pane%20of,ESXi%20hosts%20in%20the%20cluster.>

QUESTION 13



An administrator is tasked with upgrading an existing vSphere environment to version 7.0. The environment consists of mounted NFS v3 datastores. The new design requires configuration of NFS v4.1 datastores. Which statement is true regarding this upgrade? (Choose the best answer.)

- A. The NFS v3 datastores can be unmounted and remounted using NFS v4.1.
- B. A new VMKernel port for NFS v4.1 needs to be created before the upgrade.
- C. Following first boot, NFS v3 datastores are automatically converted to NFS v4.1 by ESXi 7.0
- D. ESXi 7.0 does NOT support NFS v4.1.

Correct Answer: B

QUESTION 14

Which privilege is required to run the esxtop utility? (Choose the best answer.)

- A. Root user
- B. vStatsUser
- C. vStatsAdmin
- D. Administrator

Correct Answer: A

Reference:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.monitoring.doc/GUID-D89E8267-C74A-496F-B58E-19672CAB5A53.html>

QUESTION 15

A group of new virtual machines have been deployed using thin-provisioned disks due to the limited storage space available in an environment. The storage team has expressed concern about extensive use of this type of provisioning.

An administrator is tasked with creating a custom alarm to notify the storage team when thin provisioning reaches a certain capacity threshold.

Where must the administrator define this alarm?

- A. Datastore
- B. Data center
- C. Datastore cluster
- D. Virtual machine

Correct Answer: A



Explanation: To create a custom alarm to notify when thin provisioning reaches a certain capacity threshold, the administrator must define this alarm at the datastore level, as it is related to datastore usage. References: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.monitoring.doc/GUID-B8DC03CB-EFB6-44FE-B3CB-EFFAD3AF0292.html>

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