

# VMware

## Exam Questions 2V0-21.20

Professional VMware vSphere 7.x



#### NEW QUESTION 1

An administrator is trying to configure vCenter Single Sign-On from the vSphere Client but does NOT have permission. Which role is required in order to configure vCenter Single Sign-On? (Choose the best answer.)

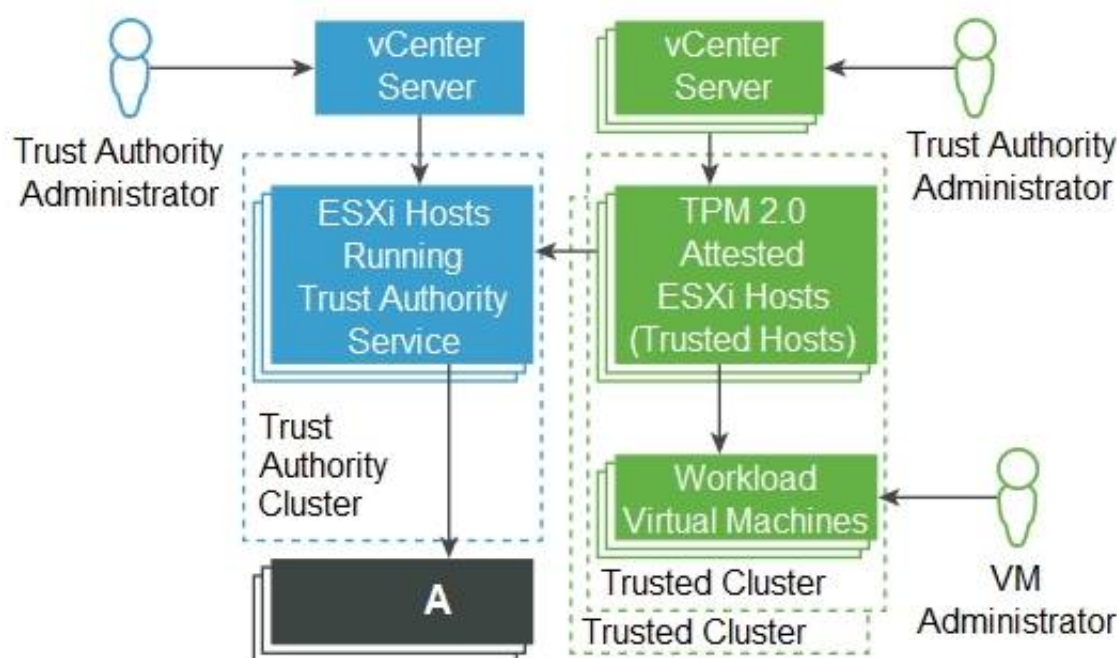
- A. vCenter Single Sign-On Administrator
- B. vCenter Administrator
- C. vCenter Server Appliance Root
- D. vCenter Power User

**Answer: A**

#### NEW QUESTION 2

Refer to the exhibit.

**Figure 8-1. vSphere Trust Authority Architecture**



Which trusted infrastructure component is missing and represented by the area labeled “A”? (Choose the best answer.)

- A. Key Management Server
- B. vSphere Virtual Machine Encryption
- C. Key Provider Service
- D. Attestation Service

**Answer: A**

#### NEW QUESTION 3

Which TCP/IP stack can support management traffic, vSphere vMotion, IP storage and vSphere Fault Tolerance? (Choose the best answer.)

- A. VXLAN TCP/IP stack
- B. Provisioning TCP/IP stack
- C. Default TCP/IP stack
- D. vSphere vMotion TCP/IP stack

**Answer: C**

#### NEW QUESTION 4

Which vSphere feature provides for continuous local data center availability? (Choose the best answer.)

- A. vSphere Fault Tolerance
- B. Cross vCenter Migration
- C. vSphere Storage vMotion
- D. vSphere Replication

**Answer: A**

#### NEW QUESTION 5

Which type of network adapter is designed to provide connectivity to hosts and handle the standard system traffic of vSphere vMotion? (Choose the best answer.)

- A. VMkernel port
- B. VXLAN virtual tunnel end point (VXLAN VTEP)
- C. Virtual machine network interface card (VMNIC)
- D. VM network

**Answer: A**

#### NEW QUESTION 6

An IT department is experiencing random hardware failures that are costing the company money. The CIO is looking for technical support beyond traditional

break/fix with enhanced visibility and proactive insights into the environment at no additional cost.  
Which VMware service meets the needs of the CIO? (Choose the best answer.)

- A. VMware Global Support Services
- B. VMware Premier Support
- C. VMware Skyline
- D. vRealize Operations Manager

**Answer:** C

#### NEW QUESTION 7

Which two components are core to vSphere? (Choose two.)

- A. ESXi
- B. vSAN
- C. vCenter Server
- D. vRealize Network Insight
- E. vRealize Operations Manager

**Answer:** AC

#### NEW QUESTION 8

What are two pre-requisites for enabling ESXi secure boot? (Choose two.)

- A. External Key Management Service
- B. vCenter Server 7.0 or greater
- C. Trusted Platform Module version 2.0
- D. ESXi 7.0 or greater
- E. Unified Extensible Firmware Interface (UEFI)

**Answer:** AE

#### Explanation:

<https://blogs.vmware.com/vsphere/2017/05/secure-boot-esxi-6-5-hypervisor-assurance.html>

#### NEW QUESTION 9

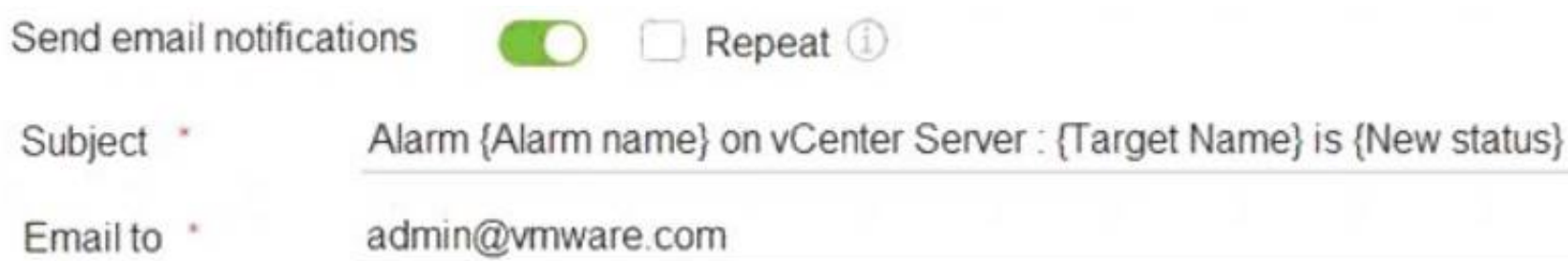
What is a pre-requisite for increasing datastore capacity? (Choose the best answer.)

- A. The backing device for the datastore has enough free space.
- B. The datastore is managed by Storage DRS (SDRS).
- C. The datastore is 100% full.
- D. There are NO powered-on virtual machines on the datastore.

**Answer:** A

#### NEW QUESTION 10

Refer to the exhibit.



The screenshot shows the configuration for an alarm in vSphere. The 'Send email notifications' toggle is turned on (green). The 'Repeat' checkbox is unchecked. The 'Subject' field contains the text 'Alarm {Alarm name} on vCenter Server : {Target Name} is {New status}'. The 'Email to' field contains the email address 'admin@vmware.com'.

An administrator enables email notifications as shown in the attached alarm. However, notifications are NOT being sent.  
Where must the mail server settings be configured to resolve this issue? (Choose the best answer.)

- A. In vCenter Server General settings in the vSphere Client.
- B. In the alarm rule definitions
- C. In the ESXi host system config for the cluster node hosting the vCenter Server Appliance
- D. In Administration settings in the vCenter Server Management Interface

**Answer:** A

#### NEW QUESTION 10

What is the minimum number of ESXi hosts required to support vCenter High Availability? (Choose the best answer.)

- A. 6
- B. 3
- C. 2
- D. 4

**Answer:** B

#### NEW QUESTION 11

An administrator would like to make virtual machine templates and ISO images available to all vCenter Server instances in the data center. Which feature should the administrator use to achieve this goal? (Choose the best answer.)

- A. Host profiles
- B. Content libraries
- C. Storage policies
- D. Resource pools

**Answer:** B

#### NEW QUESTION 13

Which feature can an administrator use for site availability with minimal effort and a low recovery point objective (RPO)? (Choose the best answer.)

- A. vSphere vMotion
- B. vSphere High Availability
- C. vSphere Replication
- D. vSphere Fault Tolerance

**Answer:** C

#### NEW QUESTION 18

An administrator is running a variety of vSphere 6.5 cluster configurations and is tasked with upgrading to vSphere 7.0. Which two conditions could cause potential conflicts or outages to the virtual machines (VMs)? (Choose two.)

- A. The use of a Windows vCenter Server system
- B. Datastores attached to the hosts based on VMFS3
- C. The upgrade of a vSphere Distributed Switch with VMs attached
- D. The upgrade of an external platform services controller
- E. The use of third-party custom vSphere Installation Bundles (VIBs) installed on the ESXi hosts

**Answer:** CE

#### Explanation:

[https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/techpaper/vmfs-5\\_upgrade\\_consideratio](https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/techpaper/vmfs-5_upgrade_consideratio)

#### NEW QUESTION 19

Which action is supported over a VMkernel vMotion TCP/IP stack? (Choose the best answer.)

- A. Hot migrations
- B. Fault tolerance protection
- C. Virtual machine cloning
- D. Snapshot creation

**Answer:** B

#### NEW QUESTION 22

ESXi provides VLAN support by assigning a VLAN ID to which component? (Choose the best answer.)

- A. Virtual standard switch
- B. Physical network interface card (NIC)
- C. Virtual distributed switch
- D. Port group

**Answer:** D

#### NEW QUESTION 23

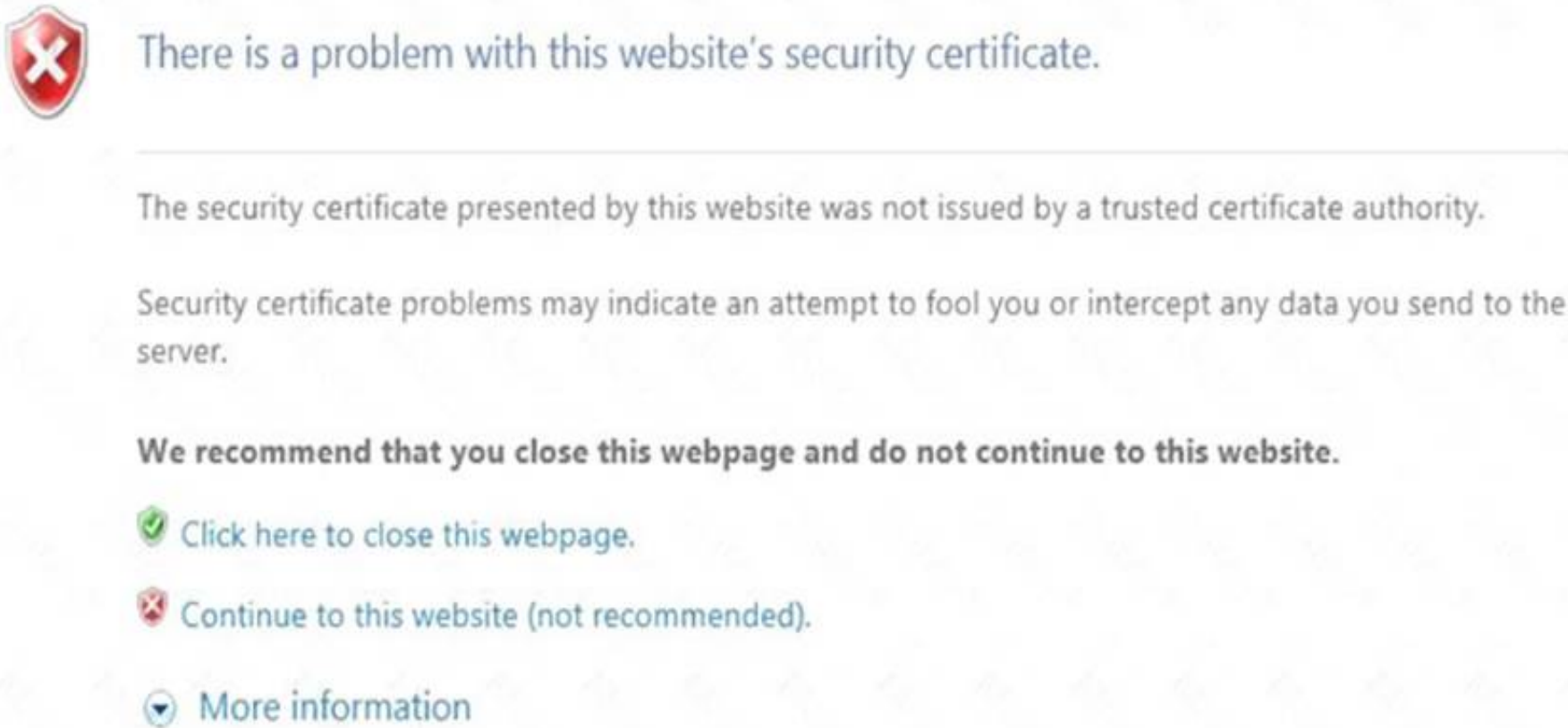
Which two configuration tasks must be performed from the vCenter Server Management Interface? (Choose two.)

- A. Add administrator accounts.
- B. Add an Network Time Protocol (NTP) server.
- C. Add a vCenter Server license.
- D. Enable SSH login.
- E. Change the logging level.

**Answer:** BC

#### NEW QUESTION 25

Refer to the exhibit.



An administrator repeatedly encounters this error message while attempting to connect to vCenter Server. What should the administrator do to address this error message? (Choose the best answer.)

- A. Use a different browser.
- B. Trust the VMware certificate authority (CA) root certificate.
- C. Restart the vCenter Server Appliance.
- D. Reissue a new, unexpired certificate.

**Answer:** D

#### NEW QUESTION 28

A single host is manually configured to company standards.

Which option would an administrator select to capture this configuration for future use? (Choose the best answer.)

- A. Extract Host Profile
- B. Reset Host Customizations
- C. Attach Host Profile
- D. Import Host Profile

**Answer:** A

#### Explanation:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.esxi.install.doc/GUID-4D8EDD07-6C77-4845-https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.hostprofiles.doc/GUID-4D3909C5-A3>

#### NEW QUESTION 30

A development team has a recurring need to rapidly replicate hundreds of virtual machines (VMs) for load testing.

Which method should the team use to deploy the VMs? (Choose the best answer.)

- A. Linked clones from a content library
- B. Instant clones using the vSphere API
- C. Full clones using vSphere Auto Deploy
- D. Full clones from a template

**Answer:** C

#### NEW QUESTION 33

Which local only host utility is used for primary, real-time performance monitoring in vSphere? (Choose the best answer.)

- A. resxtop
- B. top
- C. esxtop
- D. vSphere Command-Line Interface (CLI)

**Answer:** C

#### NEW QUESTION 37

Which feature is a pre-requisite for configuring admission control on a cluster? (Choose the best answer.)

- A. vSphere Enhanced vMotion Compatibility (EVC)
- B. vSphere High Availability (HA)
- C. vSphere Fault Tolerance
- D. vSphere Distributed Resource Scheduler (DRS)

**Answer:** B

**Explanation:**

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.avail.doc/GUID-C4059DB9-D673-45C>

**NEW QUESTION 40**

What is a requirement of Storage I/O Control? (Choose the best answer.)

- A. Storage connected through Fibre Channel
- B. Management by a single vCenter Server
- C. Datastores with multiple extents
- D. Automated storage tiering capabilities

**Answer:** B

**NEW QUESTION 43**

Which tool is used to monitor the vCenter Server Appliance resources? (Choose the best answer.)

- A. vimtop
- B. esxtop
- C. esxcli
- D. vmstat

**Answer:** A

**NEW QUESTION 45**

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

**Answer:** B

**NEW QUESTION 48**

An administrator wants to create a master copy of an existing virtual machine (VM) named “TestApp” and deploy VMs from this master copy whenever a user requests one.

Which method can the administrator use to create a master copy of TestApp? (Choose the best answer.)

- A. Deploy from an Open Virtual Machine Format (OVF) template
- B. Convert a template to a VM
- C. Clone the VM to a template
- D. Create a new VM

**Answer:** A

**NEW QUESTION 52**

An administrator wants to ensure that when virtual machines (VMs) are powered on, Distributed Resource Scheduler (DRS) places them on the best-suited host. When the cluster becomes imbalanced, the administrator wants DRS to display recommendations for manual VM migration.

Which DRS automation level should the administrator select? (Choose the best answer.)

- A. Manual
- B. Partially automated
- C. Fully automated
- D. Disabled

**Answer:** B

**Explanation:**

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.resmgmt.doc/GUID-C21C0609-923B>

**NEW QUESTION 53**

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.

**Answer:** AD

**NEW QUESTION 58**

An administrator places a 300 GB virtual machine named “Finance1” on a 2 TB datastore containing other virtual machines. After virtual machine placement, the



datastore has 200 GB of free space. The accounting department takes a nightly snapshot of Finance1, then deletes the previous snapshot. The administrator is concerned about snapshots filling the datastore.

Which statement is true regarding snapshots? (Choose the best answer.)

- A. The snapshots on Finance1 cannot outgrow the datastore in less than 24 hours.
- B. Any snapshot on Finance1 has the potential to fill the datastore to capacity.
- C. vCenter Server will not allow snapshots to fill the datastore beyond 95%.
- D. The snapshots on Finance1 will be automatically committed if SEsparse format is used.

**Answer:** B

#### NEW QUESTION 60

An administrator wants to configure vCenter Server High Availability so that each node is located in a different data center. Which requirement must be met? (Choose the best answer.)

- A. Each node must be configured with at least three network adapters.
- B. Network latency between the nodes must be less than 10 milliseconds.
- C. All nodes must be located on a vSAN datastore in each data center.
- D. A vCenter Server license must be assigned to each node.

**Answer:** B

#### Explanation:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.avail.doc/GUID-8FD87389-8CC9-429>

#### NEW QUESTION 62

What determines the default bandwidth share allocation for system traffic, such as vSphere Fault Tolerance and vSphere vMotion? (Choose the best answer.)

- A. Physical network adapter
- B. Network I/O Control version
- C. Virtual machine hardware version
- D. Load-balancing

**Answer:** B

#### NEW QUESTION 66

An administrator sees a virtual machine message that reads, "Consolidation is required" in the vSphere Client. Which action does ESXi take when the administrator completes snapshot consolidation? (Choose the best answer.)

- A. Collapses all snapshots in the current snapshot tree
- B. Commits redundant delta disks to the base disk
- C. Collapses all snapshots into a single snapshot
- D. Deletes all snapshots without committing to the base disk

**Answer:** D

#### NEW QUESTION 69

Which two vSphere features enable remote site availability? (Choose two.)

- A. Proactive High Availability
- B. vSphere Fault Tolerance
- C. Cross vCenter Migration
- D. vSphere vMotion
- E. vSphere Replication

**Answer:** AE

#### Explanation:

<https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.virtualsan.doc/GUID-1BDC7194-67A7>  
<https://www.vmware.com/mena/products/vsphere/replication.html#:~:text=vSphere%20Replication%20is%20a>

#### NEW QUESTION 74

Which two storage technologies can an administrator use to deploy the Virtual Machine File System (VMFS)? (Choose two.)

- A. Fibre Channel storage
- B. vSAN storage
- C. Virtual Volumes storage
- D. NFS storage
- E. iSCSI storage

**Answer:** AE

#### NEW QUESTION 75

Each logical port on a vSphere standard switch can be a member of how many port groups? (Choose the best answer.)

- A. 4

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

**Answer:** C

#### NEW QUESTION 77

When deploying a vCenter Server Appliance, which two single sign-on (SSO)-related options are presented to an administrator? (Choose two.)

- A. Create a vCenter Enhanced Linked Mode group
- B. Create a vCenter Single Sign-On domain
- C. Join an existing vCenter Single Sign-On domain
- D. Repoint to another domain
- E. Reset Single Sign-On password

**Answer:** BC

#### NEW QUESTION 79

What can an administrator use to partition limited CPU and memory resources between two departments? (Choose the best answer.)

- A. vSphere distributed switch
- B. vSphere High Availability
- C. vCenter folders
- D. Resource pools

**Answer:** D

#### NEW QUESTION 81

An administrator is deploying a vCenter Server Appliance and wants to join an existing vCenter Single Sign-On domain. The administrator gathers the following information:

- FQDN of the vCenter Single Sign-On server to join
- Domain name of the vCenter Single Sign-On server being joined
- Password of the vCenter Single Sign-On server administrator account.

What other information is needed to join the existing vCenter Single Sign-On domain? (Choose the best answer.)

- A. vSphere Client port
- B. Lightweight Directory Access Protocol (LDAP) port
- C. Single Sign-On (SSO) port
- D. HTTPS port

**Answer:** A

#### NEW QUESTION 85

An IT department is decommissioning a storage array and tasks an administrator with removing a datastore from ESXi hosts. What is a prerequisite for unmounting the datastore? (Choose the best answer.)

- A. The datastore is NOT managed by Storage DRS.
- B. The datastore is NOT being used by vSphere High Availability heartbeating.
- C. The datastore is NOT referenced by a host profile.
- D. The datastore does NOT contain powered-off virtual machines.

**Answer:** A

#### NEW QUESTION 87

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.

**Answer:** CD

#### Explanation:

[https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.vm\\_admin.doc/GUID-254B2CE8-20A](https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.vm_admin.doc/GUID-254B2CE8-20A)

#### NEW QUESTION 91

An administrator is utilizing Network I/O Control (NIOC) to allocate bandwidth utilization on a physical 10 Gbps adapter. What is the maximum amount of bandwidth that can be reserved? (Choose the best answer.)

- A. 2.5 Gbps
- B. 10 Gbps
- C. 5.0 Gbps



D. 7.5 Gbps

**Answer:** D

#### NEW QUESTION 92

What are two supported ESXi boot options? (Choose two.)

- A. NFS
- B. iSCSI
- C. vSAN
- D. SAN
- E. vSphere Virtual Volumes

**Answer:** BD

#### Explanation:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.storage.doc/GUID-2A66A330-A9E5-4>

#### NEW QUESTION 96

Which feature can an administrator configure to have a copy of critical virtual machines in another cluster? (Choose the best answer.)

- A. vSphere Storage vMotion
- B. vSphere Fault Tolerance
- C. vSphere Replication
- D. Instant Clone

**Answer:** D

#### NEW QUESTION 99

In a vSphere High Availability (vSphere HA) cluster, which condition can be detected by datastore heartbeating? (Choose the best answer.)

- A. Fault tolerance virtual machine (VM) failover
- B. Network isolation
- C. Virtual machine (VM) disk failure
- D. Datastore All Paths Down (APD) event

**Answer:** B

#### NEW QUESTION 104

An administrator identifies a snapshot file named “Win10-000001-sesparse.vmdk” on a datastore. Which type of information can be determined about this datastore? (Choose the best answer.)

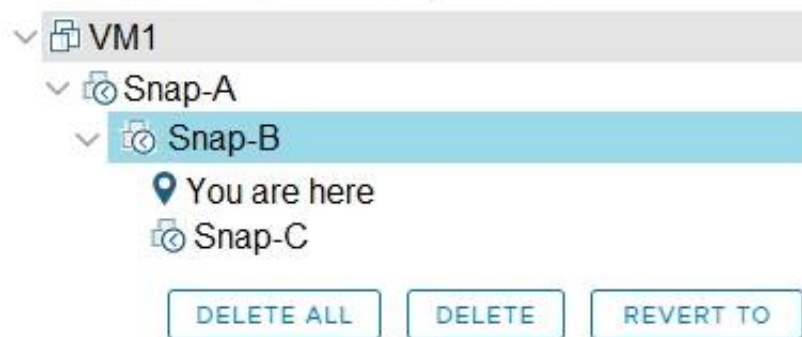
- A. The datastore is formatted as VMFS3.
- B. The datastore is formatted as VMFS6.
- C. The datastore is a raw device mapping.
- D. The datastore is a vSAN datastore.

**Answer:** B

#### NEW QUESTION 108

Refer to the exhibit.

### Manage Snapshots | VM1



Which two statements are true regarding the state of the virtual machine (VM) if an administrator clicks the “Delete All” option? (Choose two.)

- A. The VM state will match Snap-C.
- B. No snapshots will remain on the VM.
- C. Snap-A will be intact on the VM.
- D. The VM state will match Snap-B
- E. The VM state will match Snap-A.

**Answer:** BD

#### Explanation:

[https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm\\_admin.doc/GUID-542CF191-B8D](https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-542CF191-B8D)

#### NEW QUESTION 109

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